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YDROLOGIC DATA 1985

olume III: Central Coastal Area

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cretary for Resources
e Resources Agency

George Deukmejian
Governor
State of California

David N. Kennedy
Director
Department of Water Resources

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ON THE COVER: A view on the Sacramento River as it nears the Pacific.

Department of
Water Resources

Bulletin 130-85

HYDROLOGIC DATA 1985

Volume III:
Central Coastal Area

May 1988

Gordon K. Van Vleck
Secretary for Resources
The Resources
Agency

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California

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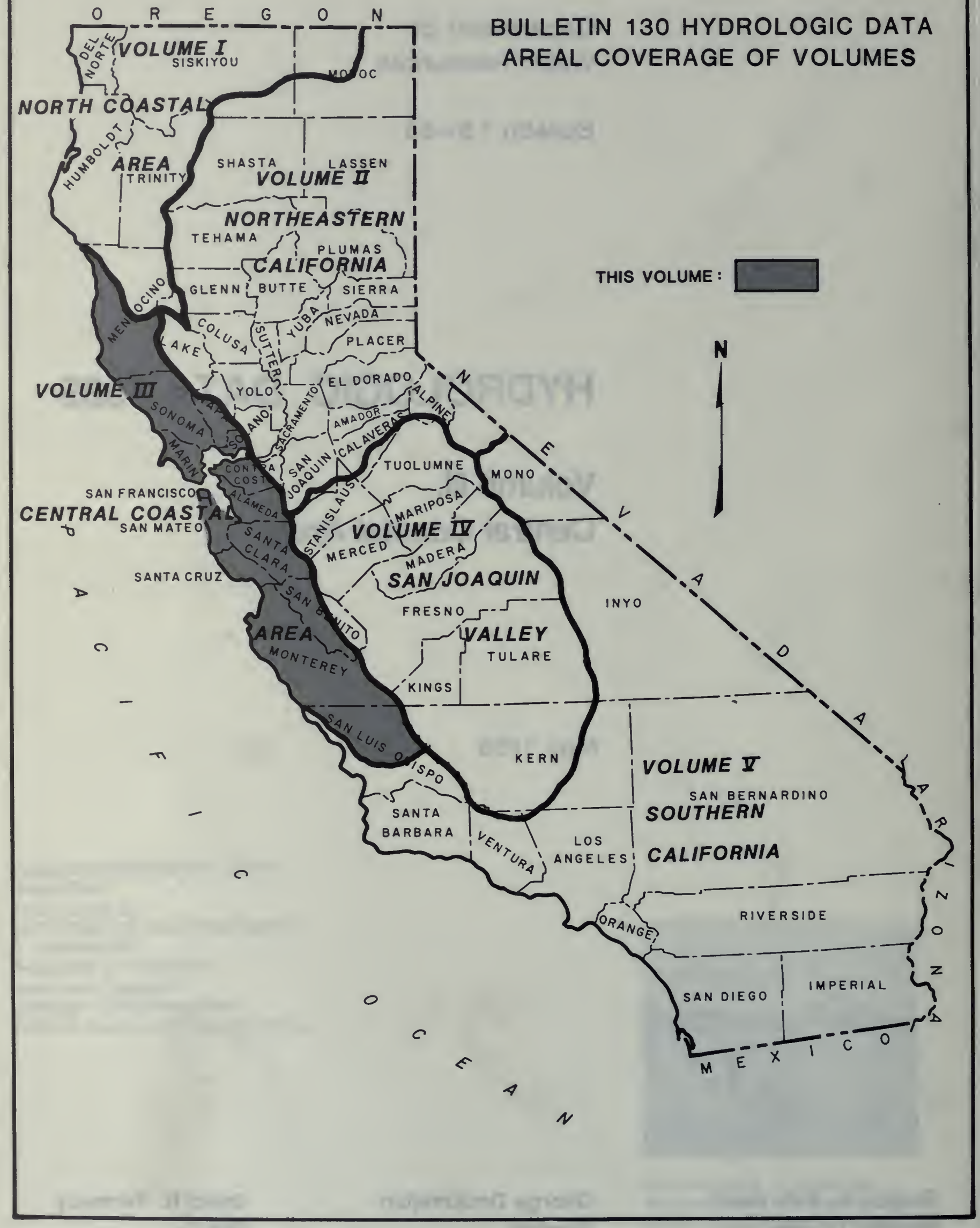
Water Resources

BULLETIN 130 HYDROLOGIC DATA
AREAL COVERAGE OF VOLUMES

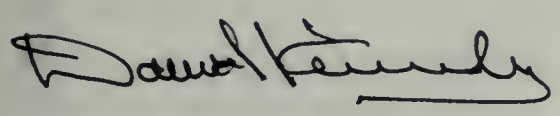


FOREWORD

The Department of Water Resources' Bulletin 130 series, which presents hydrologic data for California, was published annually from 1963 to 1975. The series was discontinued with the advent of the storage and retrieval of hydrologic data by electronic data processing methods. However, continued interest in the series prompts resumption of publication.

The first in the resumed series is Bulletin 130-85. It contains hydrologic data for the 1985 water year (October 1, 1984 through September 30, 1985). The Bulletin is published in five volumes, each of which reports on one of the five areas of the State delineated on the facing map. This volume covers Central Coastal California from Mendocino County on the north to San Luis Obispo County.

The data collection program of the Department of Water Resources supplements similar activities by other agencies to obtain the information required for effective water resources planning, design and operation of water facilities, and for control and management of the State's water resources.



David N. Kennedy, Director
Department of Water Resources

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ACKNOWLEDGMENTS

Department data collection activities have been aided by various public and private agencies and by many private citizens. This cooperation is gratefully acknowledged. Special mention is made of the following agencies which have contributed substantially to this program.

Alameda County Flood Control and Water Conservation District

Alameda County Water District

California Water Service Company

Contra Costa County Network

Marin Municipal Water District

Monterey County Flood Control and Water Conservation District

Napa County Flood Control and Water Conservation District

National Weather Service

San Benito County

San Luis Obispo County Flood Control and Water Conservation District

Santa Clara Valley Water District

Solano Irrigation District

INTRODUCTION

Bulletin 130-85 presents data on the quantity and quality of California's water resources for the water year October 1, 1984 through September 30, 1985. These data were collected by the Department of Water Resources and other organizations cooperating with the Department. The data are published in five volumes (for areal coverage of volumes see page ii). This volume encompasses the Central Coastal Area. Each volume contains data presented in five appendixes as follows:

Appendix	Subject
A	Precipitation Measurements
B	Surface Water Measurements
C	Surface Water Quality
D	Ground Water Measurements
E	Ground Water Quality

Inquiries regarding the data in this publication should be directed to the offices of the Department of Water Resources listed inside the back cover. The Department's files also contain some data currently not being published, which are also available from these offices.

Additional information about the availability of hydrologic data for California will be found in Department of Water Resources Bulletin 230 series "Index to Sources of Hydrologic Data." This reference series presents an inventory of historic hydrologic data on file with the Department. The most recent issue is Bulletin 230-81. A new edition is in preparation.

Station Location and Identification

The locations of precipitation and surface water quality data stations are shown on figures included with the respective appendix. Because there are so many individual wells, plotting these on a map in this volume is impractical. Instead, figures are presented in the respecitive appendix which delineate the areas for which data are listed.

The principal identifiers for locating hydrologic data stations are (1) station name, (2) station number, (3) latitude and longitude, (4) township, range and section (T,R and S) and (5) county. All are used in this publication, but vary with the type of data and common usage. For example, in ground water the township, range and section serve as the station name and number.

A sixth identifier, an areal one, is employed in this publication. Called the "Areal Designation Code," it is the signature for the Department's Areal Designation System, which was developed to relate all water resources data to areal location. The Areal Designation System and Code are described in the following section.

Detailed explanations of the station names and station numbers used for each type of data appear with the appendix in which the data appear.

Latitude is the angular measurement from the equator, north or south, to a point of interest on the earth's surface. Longitude is the angular measurement from the prime meridian (zero point) at

Greenwich, England, east or west, to a point of interest on the earth's surface. Latitude and longitude are given in degrees, minutes and seconds. A difference of one second of latitude represents about 100 feet on the ground. In California, a difference of one second of longitude represents about 85 feet on the ground.

Areal Designation Code

The areal designation code (called simply the "areal code") is an alphanumeric which designates a specific hydrologic area in the State.

Areal designation defines hydrologic boundaries throughout California. Under this system, the State is divided into four geographic levels based on topography, hydrology, geology and occasionally, institutional considerations. These are designated, in decreasing size, hydrologic basin (HB), hydrologic unit (HU), hydrologic area (HA) and hydrologic subarea (HSA). The first level, the hydrologic basin, is the land area defined by the highest surrounding ridges such that each separate land area is easily identified as independent of the others. There are 12 hydrologic basins in California and each is identified by a letter (see Figure 1). Each of the hydrologic basins is divided into hydrologic units which encompass a major watershed, two or more small contiguous watersheds having similar characteristics, or a closed drainage area. The third level of subdivision is the hydrologic area and the fourth and smallest breakdown is the hydrologic subarea. The latter usually is a single ground water basin, a definable portion of a larger ground water basin, a tributary area of a stream system, or a definable portion of a large stream tributary.

The code used to identify each subdivision consists of five characters; a letter for the hydrologic basin; two numerics for the hydrologic unit; a letter for the hydrologic area; and a single numeric for the hydrologic subarea; for example, E02.B1 designates the Pacifica Hydrologic Subarea in this volume.

Because several stations may be located in a given hydrologic subarea, the areal code facilitates locating and comparing nearby stations, be they precipitation, streamflow, water quality or ground water stations. The areal code is used as an identifier for all stations in this report. The Water Data Information System (WDIS), a computerized data system of the Department of Water Resources, can retrieve all data types by areal code.

Areal codes and boundaries in relation to the latitude and longitude of the Central Coastal Area appear on Figure 2. A map showing all areal codes and boundaries in California as well as a list of all 1,309 subdivisions and their names is available on request.

Basin Code

In addition to the *areal* code symbol for identifying the hydrologic basin, a *basin* code symbol, which in some cases differs from the areal code letter designation, is also employed. The basin code identifies the hydrologic basin (HB), but is used in stationing for surface-water measurement and surface-water quality data only. These basin codes are also shown in Figure 1, and, for clarity, the areal-code letters are circled where they differ. Basin codes refer to surface-water stationing, whereas areal codes refer to climatological stationing and hydrologic location for all stations in this report. Stationing and codes for each application are further discussed in the appropriate appendix.

Agency Code

Reference is made in various tables in this publication to code numbers used to identify agencies collecting data, operating stations, or performing laboratory analysis (Lab). The agencies or laboratories may be identified by matching the tabulated code number with one of the code numbers listed at the beginning of the respective appendix. A complete cross index of agencies and code numbers is available on request.

BASIN CODE LETTER	BASIN NAME	AREAL CODE LETTER
F	NORTH COAST	F
A	SACRAMENTO RIVER	A
G	NORTH LAHONTAN	G
E	SAN FRANCISCO BAY	E
B	SAN JOAQUIN RIVER	B
C	TULARE LAKE	C
Y	SANTA ANA	Y
D	CENTRAL COAST	(T)
V	SOUTH LAHONTAN	(W)
Z	LOS ANGELES	(U)
W	COLORADO RIVER	(X)
X	SAN DIEGO	(Z)

NOTES: 1. Circled letters show the Areal Code Basin designation where it differs from the Basin Code letter.
2. Climatological stations in Areal Code T, use "D" in station no. if north of San Luis Obispo Co. line

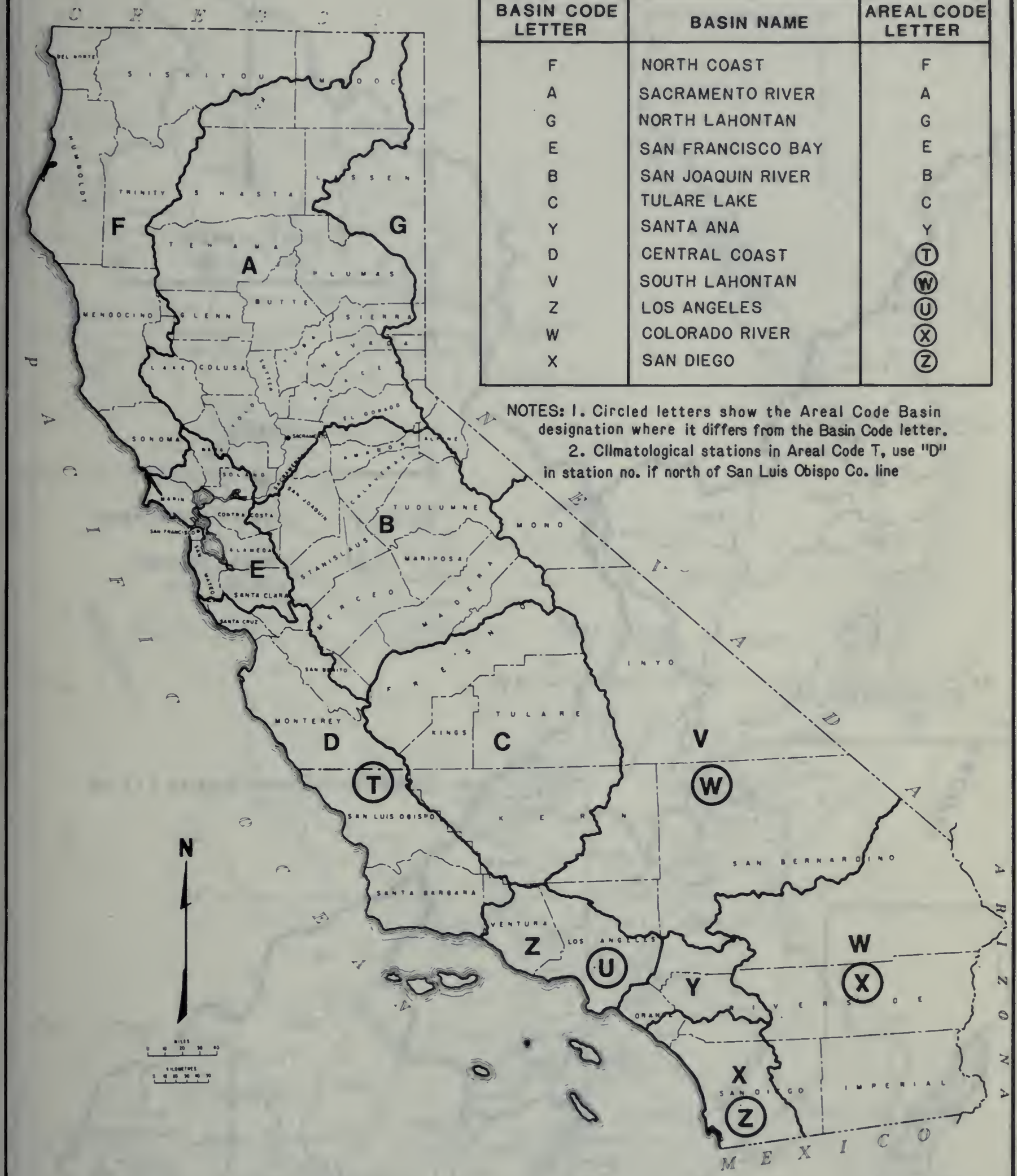

Figure 1. HYDROLOGIC BASINS OF CALIFORNIA

Figure 2. AREAL CODES AND BOUNDARIES

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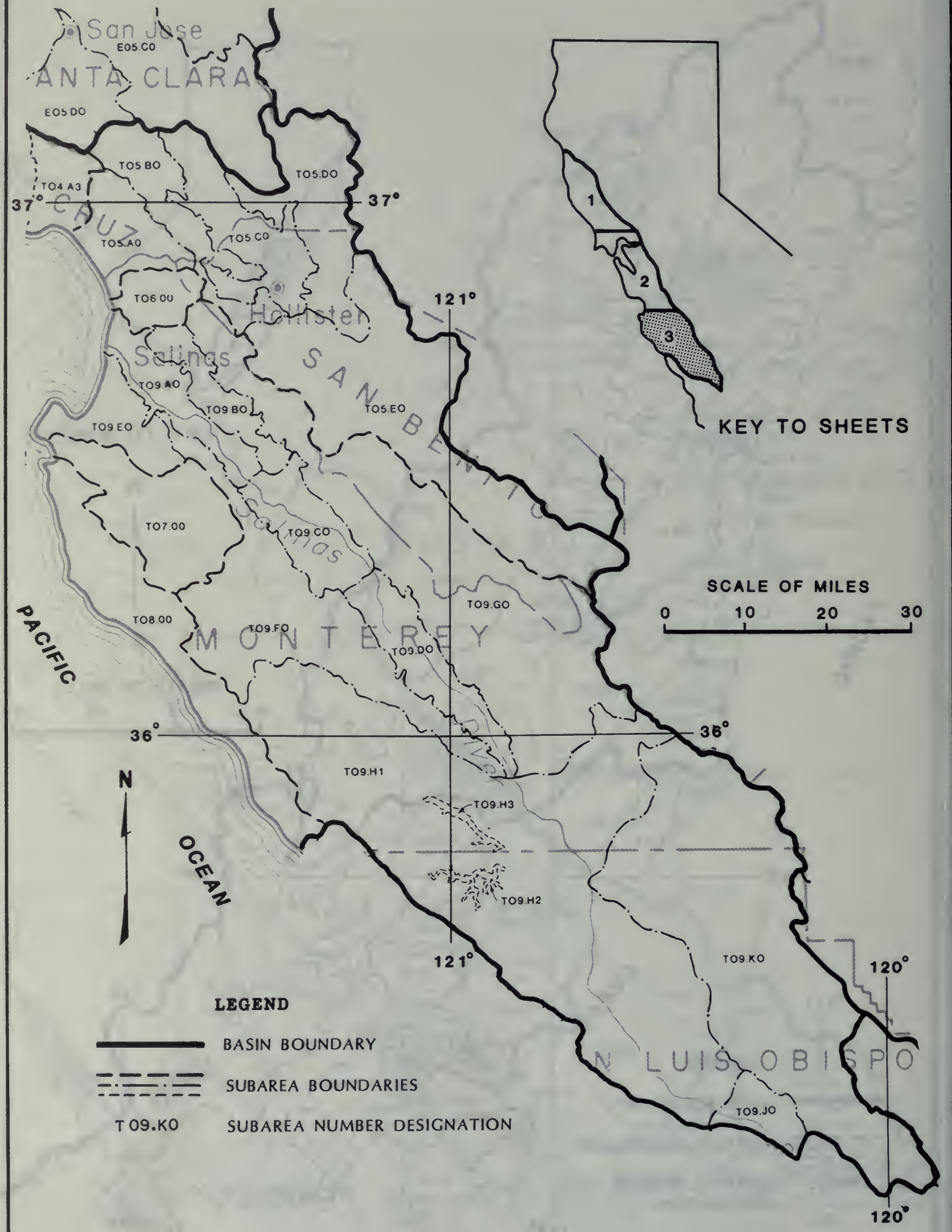

Figure 2. AREAL CODES AND BOUNDARIES

APPENDIX A

CLIMATOLOGICAL DATA

APPENDIX A

CLIMATOLOGICAL DATA

Appendix A presents precipitation data for certain climate stations in the Central Coastal Area for the water year October 1, 1984 through September 30, 1985. Locations of the stations are shown on Figure 3, following.

The first character of the nine character climatological station number indicates the major basin in which the station is located. This character is one of the areal code letters shown on Figure 1. (Note that, for climatological stations only, stations in the Central Coastal Basin north of San Luis Obispo County are identified by the letter "D.") The next two characters designate a hydrologic unit in the major basin. The fourth through the ninth characters denote the sequence of the stations under an alphanumeric system developed by the National Weather Service. (The fourth through seventh characters are the same as the four-digit station numbers used by the National Weather Service.)

Climatological stations are often named after the nearest post office and the distance and direction to the station. Distance is in miles, and the direction is represented in one of 16 compass points. For example, Fairfield 3 NNE denotes a station located 3 miles north northeast of the post office at Fairfield. The responsibility for selecting the station name generally rests with the agency or individual who establishes the station.

The space for station names is restricted to a combination of 25 letters and/or numerals; therefore, some abbreviations are necessary. Pertinent abbreviations are:

AP – Airport
FAA – Federal Aviation Administration
FCD – Flood Control District
FS – Forest Service
HMS – Highway Maintenance Station
LRL – Lawrence Radiation Laboratory
NAS – Naval Air Station
PH – Power House
PLT – Plant
WB – West Branch
WC – Womens College

The Department gives latitude and longitude to the nearest second when the value is known, but the National Weather Service lists stations by degree and minute only. A zero value or a blank space for "seconds" in the latitude and longitude columns means that these values have been obtained from the National Weather Service, and the location has not been verified in the field.

Elevations are given in feet from USGS mean sea level datum, and are usually obtained by interpolation between contours of USGS topographic maps.

Precipitation values are shown to the nearest one-hundredth of an inch (0.01"). (Where digital recording rain gages that only record to the nearest tenth of an inch are used, a zero is shown in the second decimal place.)

The following notations are used to qualify the values:

–	No record or incomplete record
B	Record began
E	Estimated in some degree
N	Record ends
T	Trace, an amount too small to measure

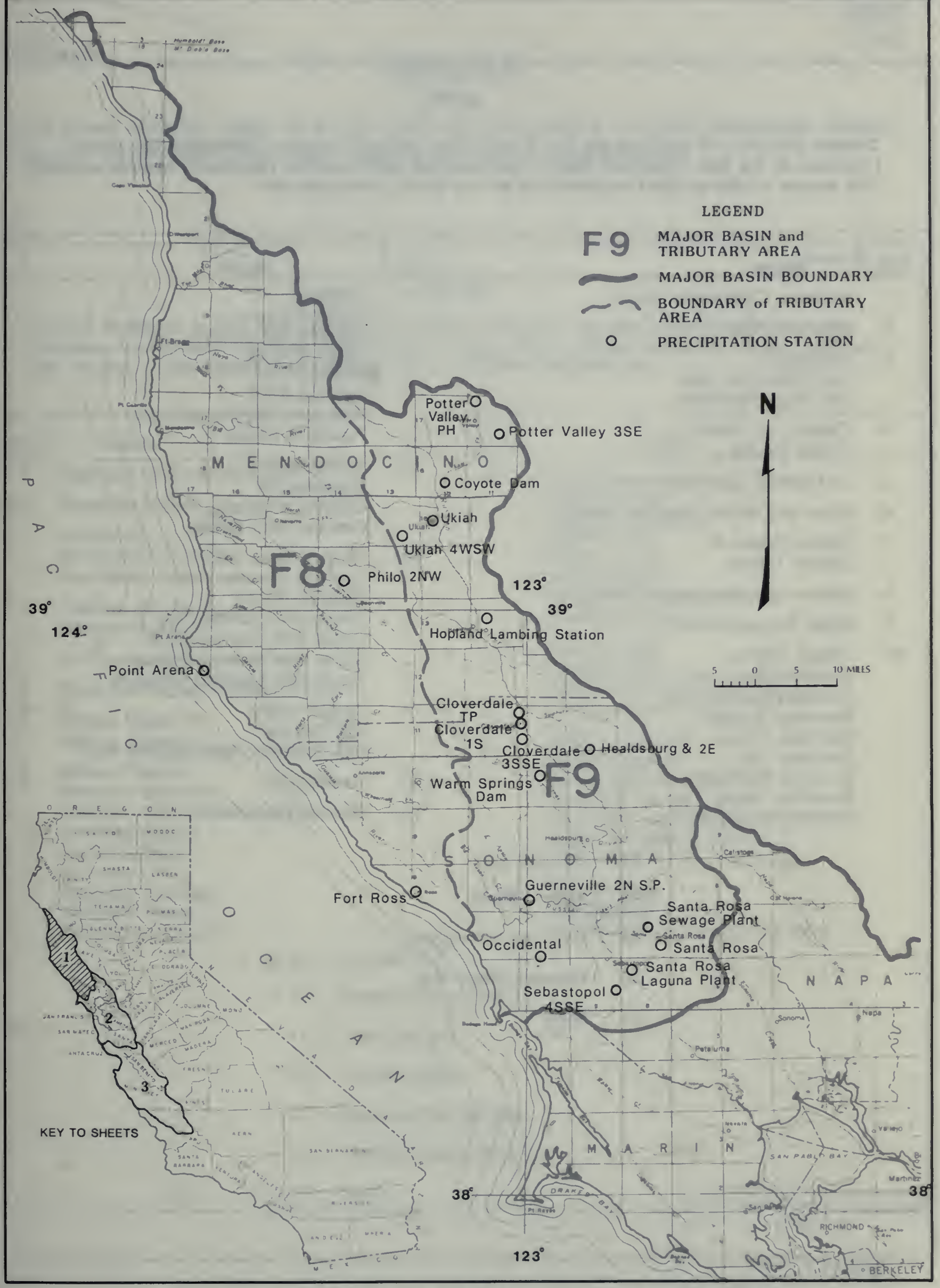

Figure 3 LOCATION OF CLIMATOLOGICAL STATIONS

NOTE

Circled numbers on the map on the facing page represent certain climatological station locations in the San Francisco area. In some areas, one number represents several stations. The names of the stations represented by the circled numbers are:

No.	Name
1	Martinez Corporation Yard
2	Sobrante Filters
3	Richmond Richmond City Hall San Pablo Reservoir
4	Charles Hill Manor Orinda Filters
5	La Fayette Corporation Yard
6	Brian and Murphy Walnut Creek
7	Walnut Creek 4E Albany Talbot
8	Brentwood Corporation Yard
9	Bixler Pump Station
10	Albany Pierce Berkeley Berryman Berkeley Centennial Berkeley Grizzly Berkeley Gypsy Berkeley LRL Berkeley Michigan Berkeley Tilden Kensington–Lenox
11	Oakland Oakland Daws Oakland Humphrey Oakland Ross Oakland Truitt Oakland 4 NE Piedmont Fire Department Piedmont Foree
12	Alameda NAS Alameda 2W Oakland Museum Oakland 39th Street
13	Chabot Reservoir Oakland Elvessa Oakland Ettrick Sequoyah Country Club Upper San Leandro Dam Upper San Leandro Filters Upper San Leandro Reservoir
14	Castro Valley Cull Canyon Cull Reservoir Maintenance Yard
15	Danville Orr
16	Danville Blackhawk
17	San Leandro
18	Jenson Ranch
19	San Lorenzo Wagner
20	Hayward Mead Way
21	Niles

for **ERRATA**

This sheet replaces page 12 of the California Department of Water Resources' Bulletin 130-85, "Hydrologic Data—1985, Volume III: Central Coastal Area."

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Circled numbers on the map on the facing page represent certain climatological station locations in the San Francisco area. In some areas, one number represents several stations. The names of the stations represented by the circled numbers are:

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9	Oakland Oakland Daws Oakland Humphrey Oakland Ross Oakland Truitt Oakland 4 NE Piedmont Fire Department Piedmont Foree
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14	Danville Blackhawk
15	San Leandro
16	Jenson Ranch
17	San Lorenzo Wagner
18	Hayward Mead Way
19	Niles

Figure 3 LOCATION OF CLIMATOLGICAL STATIONS

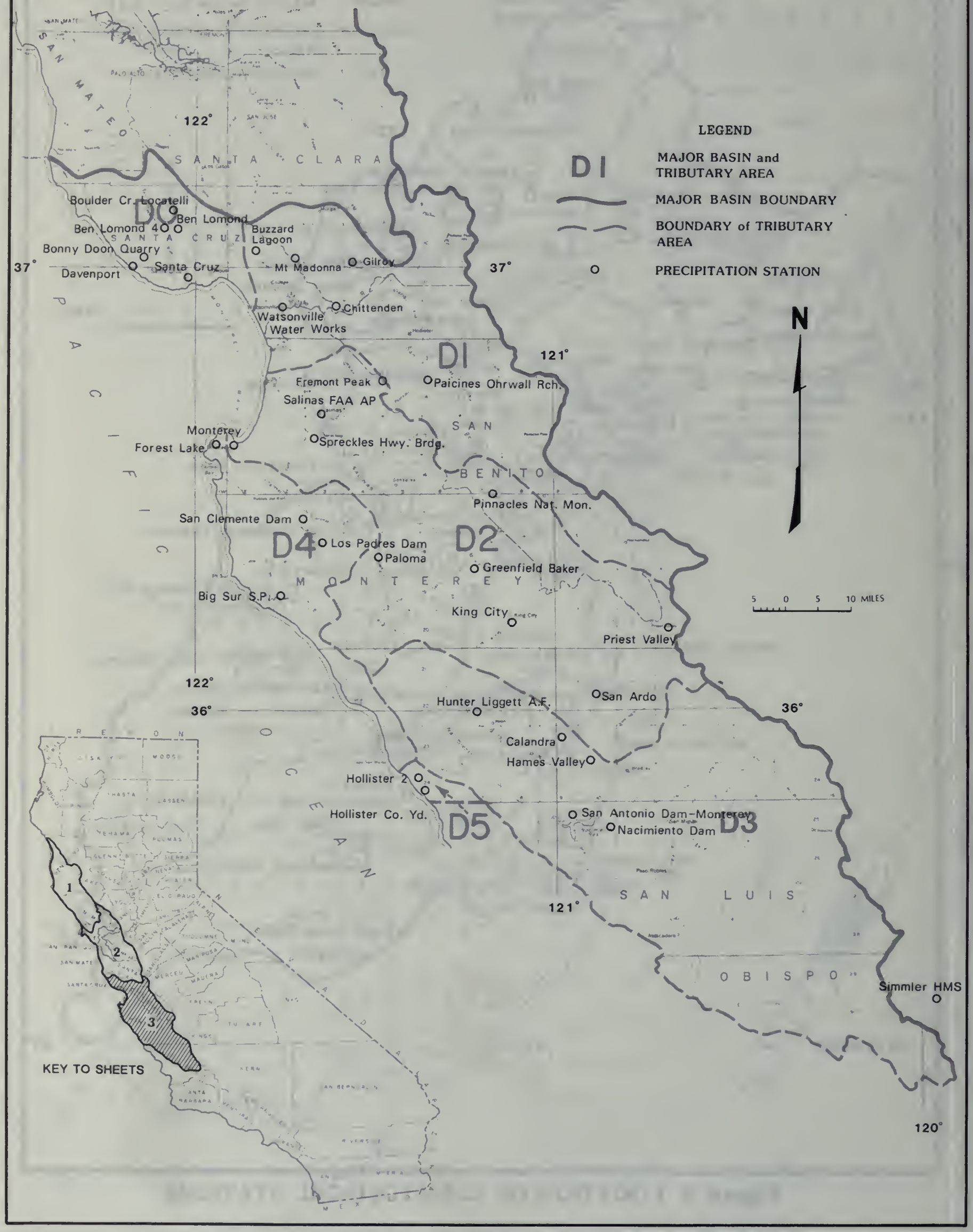


Figure 3 LOCATION OF CLIMATOLGICAL STATIONS

TABLE A
MONTHLY PRECIPITATION
CENTRAL COASTAL AREA
WATER YEAR 1985

AREAL CODE	STATION NUMBER	LAT	LONG	ELEV	STATION NAME	PRECIPITATION IN INCHES TOTAL	1984 OCT	NOV	1985 DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
E04B0	E40006000	37 48	122 18	10	Alameda NAS	---	2.19	1.48	.52	---	---	---	---	---	.06	.04	.35	
E04B0	E40006020	37 47	122 16	13	Alameda 2W	20.34	6.70	6.79	1.81	.57	.18	3.45	.15	.03	.17	.08	.05	.37
E03C0	E40007520	37 54	122 18	40	Albany Pierce	21.82	1.99	8.86	2.18	1.18	2.35	4.44	.08	.00	.12	.06	.50	.06
E03C0	E40007570	37 54	121 59	50	Albany Talbot	22.08	2.05	8.45	2.30	1.13	2.22	4.71	.12	.00	.20	.15	.00	.75
E01A3	F90013500	37 56	122 38	680	Alpine Dam	43.09	4.40	16.94	3.78	1.48	5.88	7.79	.55	.02	.22	.10	.00	1.93
E05C0	E60016700	37 25	121 59	8	Alviso	12.37	1.48	3.59	1.49	.68	.98	2.83	.22	.16	.07	.06	.00	.81
E07C2	E40020150	37 52	122 03	170	Anderson Glenhaven Ave WC	19.79	1.74	7.55	1.12	.99	3.11	4.49	.10	.03	.39	.00	.00	.27
E06E0	E30021200	38 34	122 26	1,815	Angwin Pacific Union College	31.06	2.37	12.81	2.53	1.29	4.88	5.38	.26	.01	.04	.04	.00	1.45
E06E0	E30036800	38 26	122 15	1,660	Atlas Road Dutra	---	---	12.81	1.90	2.00	4.90	---	---	---	.00	.00	.00	.90
T04A2	D00067400	37 05	122 06	504	Ben Lomond	40.68	2.85	13.45	2.80	.35	5.18	7.73	.00	.00	.00	---	---	---
T04A2	D00067300	37 05	122 04	450	Ben Lomond 4	40.72	3.60	14.81	3.69	1.46	5.56	9.61	.68	.16	.27	.17	.03	.68
E03C0	E40069300	37 52	122 15	299	Berkeley	20.04	2.21	7.51	2.17	.66	2.34	4.32	.06	.02	.15	.07	.00	.53
E03C0	E40069310	37 53	122 16	275	Berkeley Berryman	.96	2.17	7.64	2.11	.84	2.66	4.62	.06	.00	.18	.10	.00	.58
E03C0	E40069315	37 53	122 14	750	Berkeley Centennial	25.86	2.60	9.42	2.69	1.06	3.68	5.03	.31	.10	.18	.10	.01	.68
E03C0	E40069327	37 54	122 16	900	Berkeley Grizzly	19.80	2.00	7.79	2.10	.83	2.06	3.95	.15	.00	.14	.02	.00	.76
E03C0	E40069328	37 52	122 14	800	Berkeley Gypsy	23.99	2.72	8.32	2.77	.98	3.43	4.82	.09	.11	.19	.15	.00	.41
E03C0	E40069340	37 53	122 15	900	Berkeley - L R L	17.17	1.89	6.73	1.93	.71	2.32	3.47	.08	.04	.00	.00	.00	.00
E03C0	E40069345	37 54	122 14	710	Berkeley Michigan	23.82	2.54	9.03	2.42	.99	2.54	5.16	.10	.05	.19	.09	.00	.71
E03C0	E40069720	37 54	122 15	900	Berkeley Tilden	24.31	2.47	8.31	2.29	.84	3.92	5.28	.13	.05	.16	.11	.00	.75
T08D0	D40079000	36 15	121 47	235	Big Sur State Park	---	2.96	8.64	4.02	.88	3.83	6.83	.71	---	.26	.00	.00	.68
E07B3	E30081448	38 08	121 52	60	Birds Landing	13.43	1.82	5.00	1.34	.82	1.27	2.59	.27	.03	.20	.00	.00	.09
E05E0	E60085000	37 18	122 10	2,331	Black Mtn 2 SW	36.44	5.11	11.45	4.79	1.23	3.91	7.54	.32	.54	.62	.09	.00	.84
E03B0	F90096900	37 57	122 36	723	Bon Tempe Dam	37.59	3.53	14.87	3.84	1.66	5.06	7.24	.18	.07	.18	.04	.00	.92
T04A1	D00097050	37 02	122 08	124	Bonnie Doon Quarry	32.76	4.54	12.18	2.55	1.23	3.66	7.24	.40	.12	.14	.05	.00	.65
T04A2	D00100500	37 09	122 12	2,175	Boulder Creek Locatelli	---	---	---	---	---	---	---	.80	.60	.50	.30	.00	1.30
E07C2	E40124950	37 54	122 04	165	Byran and Murphy Walnut Cr	20.13	1.66	6.22	1.55	.95	3.07	4.14	.05	.00	.13	.00	.04	.43
T05A0	D10124700	37 02	121 50	1,275	Buzzard Lagoon	31.14	2.50	11.47	1.42	1.84	4.39	7.02	.60	.30	.00	.00	.00	1.60
T09H1	D30127500	35 57	121 00	2,800	Calandra	11.53	.30	2.28	5.74	.69	1.10	.81	.00	.06	.00	.00	.00	.55
E06E0	E30131200	38 35	122 34	364	Calistoga	31.96	2.35	11.17	2.90	1.49	5.23	5.89	.17	.00	.02	.57	.73	1.44
E05E0	E60137701	37 17	121 57	192	Campbell Water Co	12.95	1.22	3.84	1.72	.72	1.58	3.09	.30	.07	.00	.00	.00	.41
E04B0	E40158360	37 44	122 05	500	Castro Valley	21.15	3.27	7.31	2.34	.88	2.48	3.97	.07	.07	.28	.00	.00	.48
E04B0	E40164800	37 44	122 07	245	Chabot Reservoir	19.78	3.52	6.47	2.32	.56	2.03	3.76	.14	.13	.26	.12	.01	.46
E06F0	E40166400	37 54	122 10	725	Charles Hill Manor	44.42	2.20	8.74	2.32	1.16	4.33	5.03	.04	.04	.20	.00	.00	.56
T05B0	D10173901	36 54	121 36	104	Chittenden	19.13	2.18	6.43	1.83	.80	2.08	4.78	.42	.18	.14	.00	.00	.29
F14B5	F90184200	38 48	123 01	300	Cloverdale Treatment Plant	33.02	2.66	15.76	2.54	.70	2.84	6.71	.19	.00	.00	.01	.00	1.61
F14B5	F90183900	38 47	123 01	340	Cloverdale 1 S	32.33	2.70	14.00	2.50	.60	3.51	7.24	.18	.00	.00	.00	.00	1.60
F14B5	F90183800	38 46	122 59	320	Cloverdale 3 SSE	31.27	2.64	14.60	2.34	.56	2.81	6.73	.17	.01	.00	.00	.00	1.34
E03B0	E20205700	37 55	122 32	55	Corte Madera	36.38	2.50	16.33	3.09	1.22	5.34	7.03	.38	.00	.16	.02	.00	.31
F14C1	F90210500	39 11	123 11	720	Coyote Dam	26.19	3.78	10.97	2.26	.93	2.70	5.03	.17	.04	.00	.00	.00	.31
E04B0	E40221350	37 46	122 04	620	Cull Canyon	15.27	2.20	7.15	1.95	.04	2.25	.28	.37	.30	.02	.00	.00	.71
E04B0	E40221320	37 43	122 04	435	Cull Res Maint Yard	20.34	3.45	6.92	1.78	.70	2.80	3.58	.10	.05	.28	.13	.04	.51
E04C0	E40227750	37 48	121 56	600	Danville Blackhawk	18.60	1.89	6.62	1.74	1.12	2.45	4.45	.00	.00	.15	.00	.00	.18
E07C2	E40227850	37 50	121 59	430	Danville Fire Station 3 Dan	19.20	1.91	6.99	1.67	.96	2.43	4.68	.14	.00	.17	.00	.00	.25
E07C2	E40227950	37 49	122 01	365	Danville Orr	18.60	1.89	6.62	1.74	1.12	2.45	4.45	.00	.00	.15	.00	.00	.18
T04A1	D00229000	37 01	122 12	273	Davenport	26.91	4.08	8.39	3.26	1.63	1.83	5.85	.31	.63	.20	.08	.03	.62
E04B0	E50232600	37 36	122 02	65	Decoto	17.33	3.03	5.45	1.77	.54	1.47	4.36	.07	.05	.09	.00	.00	.50
E04C0	E50252525	37 44	121 56	355	Dublin Fire Station	13.90	1.31	4.99	1.55	.38	2.07	3.01	.21	.09	.18	.00	.00	.11
E06E0	E30258000	38 12	122 18	20	Duttons Landing	18.05	2.23	6.97	1.61	1.56	1.81	3.32	.09	.04	.00	.00	.00	.42
E07B3	E30293400	38 15	122 02	34	Fairfield Fire Station	16.91	1.96	6.52	1.26	.68	1.95	4.14	.06	.02	.02	.00	.00	.03
E07B3	E30293500	38 17	122 02	110	Fairfield 3 NNE	17.54	1.90	7.22	1.32	.80	2.30	3.90	.00	.00	.00	.00	.00	.10
T09E0	D40313511	36 36	121 57	295	Forest Lake	---	.90	5.08	2.96	.94	1.28	3.55	.63	---	---	---	---	---
F13H5	F80319100	38 31	123 15	116	Fort Ross	29.95	3.15	11.86	3.34	.90	2.32	5.19	.38	.19	.16	.02	.00	2.44
T05B0	D10323800	36 45	121 29	2,500	Fremont Peak	26.58	3.23	8.03	1.88	1.08	2.92	7.02	.72	.49	.64	.06	.00	.51
E04C0	E50338700	37 22	121 29	2,140	Gerber Ranch	15.74	1.77	5.31	1.81	.83	1.29	3.85	.37	.02	.07	.09	.00	.33
T05C0	D10341700	37 00	121 34	194	Gilroy	17.72	1.11	6.22	2.02	.70	2.53	4.49	.37	.06	.11	.00	.00	.11
T09C0	D20359100	36 19	121 14	280	Greenfield Baker	6.17	.42	1.80	1.99	.22	.19	1.37	.11	.00	.00	.05	.00	.02
E07B4	B90365000	38 09	121 58	1	Grizzly Island Refuge	---	---	5.58	1.69	1.17	3.17	2.70	.10	.05	.12	.00	.00	.16
F14A1	F90368549	38 32	123 01	200	Guerneville 2 N (State Park)	58.03	4.14	26.75	4.47	1.70	6.68	10.37	.65	.00	.00	.00	.00	3.27
E02B3	E80371400	37 27	122 26	60	Half Moon Bay	27.54	3.81	9.86	3.20	1.02	2.90	5.07	.13	.32	.47	.31	.05	.40
T09H1	D30372200	35 53	120 55	725	Hames Valley	---	.38	2.74	3.13	.38	.50	1.64	.00	.00	.00	.00	.00	.00
E04B0	E40386302	37 39	122 06	55	Hayward Corp Yard	16.65	3.14	6.07	1.70	.73	1.46	3.07	.00	.00	.00	.10	.00	.38
E04B0	E40386550	37 40	122 03	420	Hayward Mead Way	19.66	3.31	6.60	2.13	.75	1.92	3.91	.11	.06	.12	.09	.03	.63
F14B4	F90387500	38 37	122 50	101	Healdsburg	34.00	2.37	15.44	2.43	1.35	3.40	7.31	.28	.00	.00	.05	.00	1.37
F14B5	F90387800	38 37	122 50	102	Healdsburg 2 E	32.11	2.30	13.83	2.51	1.51	3.04	7.29	.23	.11	.00	.05	.00	1.24
E01A2	F90394120	38 08	122 43	400	Hicks Valley	22.00	2.70	9.02	2.26	1.39	1.74	4.03	.24	.03	.08	.04	.00	.67
T05C0	D10402204	36 49	121 23	350	Hollister County Yard	---	.66	3.85	1.49	.52	.92	3.57	.39	.00	.00	.00	.00	.00
T05E0	D10402500	36 51	121 24	284	Hollister 2	10.48	1.10	3.68	1.40	.65	3.08	.44	.02	.03	.00	.00	.00	.08
F14C1	F90409805	38 58	123 08		Hopland Lambing Station	27.79	2.90	11.65	2.88	.69	1.95	5.11	.12	.03	.03	.01	.00	2.42
T09H1	D30417100	36 00	121 14	1,040	Hunter Liggett-Airfield	---	.77	4.15	3.07	.35	.94	2.74	.10	.00	---	---	---	---
E04B0	E40435700	37 43	122 01	850	Jenson Ranch	21.71	3.27	6.91	2.38	.87	2.77	4.05	.30	.14	.38	.11	.00	.53
E06F0	E40450520	37 54	122 17	400	Kensington - Lenox	20.60	4.20	6.30	2.00	.70	2.50	4.00	.00	.08	.14	.13	.04	.51
E03B0	E20450000	37 56	122 33	80	Kentfield	45.59	3.11	19.07	3.70	1.53	8.77	8.27	.37	.00	.16	.02	.00	.59
E01A3	F90450200	37 59	122 42	360	Kent Lake	41.49	3.50	17.09	3.93	2.02	5.84	7.28	.29	.16	.15	.08	.01	1.14
T09D0	D20455500	36 12	121 08	320	King City	9.03	.30	3.39	2.58	.07	.29	2.35	.00	.00	.00	.05	.00	.00
E07C2	E40463450	37 54	122 07	295	La Fayette Corp Yard	24.76	1.99	8.98	2.01	1.09	4.15	5.91	.05	.00	.02	.00	.00	.56
E03B0	F90465200	37 56	122 35	785	Lagunitas Lake	37.87	3.00	14.19	3.74	1.74	5.74	8.50	.20	.08	.14	.06	.00	.48
E02D0	E80466050	37 16	122 15	350	La Honda Honor Camp 1	31.76	3.50	10.98	2.78	1.59	4.55	6.32	.00	.32	.92	.00	.00	.80
E07B1	E30468500	38 05	122 09	0	Lake Herman	15.46	1.77	5.59	1.64	.78	1.60	3.55	.16	.04	.09	.00	.00	.24
E04C0	E50499600	37 41	121 48	405	Livermore Sewage PH	12.55	1.03	4.96	1.48	.65	1.52	2.56	.09	.05	.07	.00	.02	.12
E04C0	E50499704	37 41	121 48	395	Livermore 2 W	12.59	1.25	4.71	1.51	.48	1.25	2.62	.32	.07	.22	.00	.03	.13
E05D0	E60512310	37 13	121 59	425	Los Gatos	17.42	2.14	5.37	1.49	.72	2.12	4.89	.19	.11	.02	.06	.01	.30
T04A2	D00512500	37 11	122 02	2,215	Los Gatos 4 SW	27.24	3.25	8.00	2.20	1.00	3.00	7.40	.57	.46	.23	.10	.07	.96
T07D0	D40514300	36 22	121 40	900	Los Padres Dam	---	1.76	1.95	.37	2.01	5.44	---	---	---	---	---	---	---
E07A0	E40537140	38 01	122 07	105	Martinez Corporation Yard	16.04	1.56	6.34	1.18	.79	2.19	3.63	.04	.00	.08	.00	.00	.23
E07C3	E40537150	37 59	122 06	160	Martinez FCD	15.07	1.35	5.80	1.27	.73	2.03	3.60	.03	.02	.08	.00	.00	.16
E07C3	E40537800	38 01	122 07	40	Martinez Water Plant	16.00	1.63	6.01	1.37	.76	2.10	3.68	.04	.03	.08	.02	.00	.28
E07C2	E40540850	37 48	121 59	440	Mattos Glenbrook Danville	18.87	2.04	6.82	1.81	.93	1.86	4.62	.25	.05	.18	.02	.00	.29
E05B0	E50571851	37 32	121 53	1,400	Mission Creek TK Ranch	19.61	2.38	6.02	2.51	1.42	1.54	4.22	.24	.23	.10	.00	.00	.95
E05B0	E50571935	37 32	121 57	120	Mission San Jose 1 W	13.85	.00	5.38	1.78	.96	1.29	3.77	.15	.07	.08	.07	.00	.30
T09E0	D40579500	36 36	121 54	335	Monterey	16.94	2.08	4.82	2.03	1.11	1.37	3.93	.75	.32	.27	.10	.00	.16
E07C1	E40591500	37 52	121 56	2,070	Mount Diablo North Gate	19.61	2.09	7.08	1.51	.94	2.37	4.01	.28	.09	.36	.03	.09	.76
E04C0	E50593300	37 20	121 39	4,206	Mount Hamilton	20.57	3.47	5.03	1.83	.85	1.97	5.26	.62	.30	.47	.00	.00	.77

TABLE A (CONTINUED)
MONTHLY PRECIPITATION
CENTRAL COASTAL AREA
WATER YEAR 1985

AREAL CODE	STATION NUMBER	LAT	LONG	ELEV	STATION NAME	PRECIPITATION IN INCHES: ANNUAL TOTAL	1984 OCT	1984 NOV	1984 DEC	1985 JAN	1985 FEB	1985 MAR	1985 APR	1985 MAY	1985 JUN	1985 JUL	1985 AUG	1985 SEP
T05B0	D10597311	37 00	121 42	1,880	Mt Madonna County Park	36.36	2.86	10.26	2.66	1.34	3.33	6.47	8.45	.87	.12	.00	.00	.00
E01C0	E20599600	37 54	122 36	1,480	Mt Tamalpais 2 SW	35.42	4.30	13.14	2.90	1.20	4.60	5.80	1.40	.20	.18	.10	.00	1.60
E01C0	E20602700	37 54	122 34	170	Muir Woods	32.81	5.11	12.95	2.70	.88	3.52	5.38	.70	.17	.31	.08	.01	1.00
T09H2	T09605600	35 45	120 52	770	Nacimiento Dam	8.32	.38	2.45	2.93	.45	.43	2.18	T	T	.00	.00	.00	.03
E06E0	E30606828	38 17	122 16	47	Napa Hoffman Ave	32.48	3.08	13.01	1.66	2.00	5.65	6.13	.05	.00	.03	.18	.00	.69
E06E0	E30607400	38 16	122 15	73	Napa State Hospital	20.41	2.03	7.77	1.48	1.75	1.83	4.42	.07	.02	.05	.20	.00	.79
E05B0	E50614400	37 31	122 01	14	Newark	12.84	1.74	4.33	1.68	.86	1.04	2.43	.05	.25	.03	.03	.00	.40
E01A3	F90618701	38 02	122 41	265	Nicasio 1 SSE	29.94	2.63	11.77	2.49	1.18	4.53	6.34	.14	.12	.08	.08	.00	.58
E01A3	F90618702	38 06	122 43	315	Nicasio 3 NNW	30.40	3.09	11.77	2.49	1.18	4.53	6.34	.14	.12	.08	.08	.00	.58
E05B0	E50619901	37 35	121 58	100	Niles	16.62	2.32	5.75	1.66	.60	1.35	4.23	.17	.06	.12	.03	.00	.33
E06B0	E20629002	38 06	122 32	35	Novato	21.96	2.27	9.28	2.07	1.18	2.53	4.10	.27	.00	.00	.03	.03	.20
E04B0	E40633240	37 51	122 14	340	Oakland	20.49	2.49	7.42	1.94	.71	2.92	4.09	.05	.05	.00	.04	.00	.78
E04B0	E40633330	37 49	122 13	760	Oakland Daws	23.57	3.19	8.41	2.09	.85	2.77	4.29	.12	.08	.20	.13	.00	1.44
E04B0	E40633450	37 45	122 07	670	Oakland Elvessa	21.45	3.70	7.24	2.24	.46	2.02	3.95	.19	.18	.30	.27	.01	.89
E04B0	E40633350	37 45	122 08	660	Oakland Ettrick	21.21	3.76	6.98	1.94	.42	2.11	4.11	.55	.12	.25	.21	.02	.74
E03C0	E40633280	37 51	122 15	200	Oakland Humphrey	21.50	2.55	8.20	1.88	.79	2.56	4.35	.06	.00	.18	.09	.00	.84
E04B0	E40633630	37 48	122 16	30	Oakland Museum	21.64	2.99	6.89	4.54	.77	2.08	3.65	.15	.04	.00	.00	.00	.53
E04B0	E40633650	37 51	122 15	220	Oakland Ross	22.67	2.64	8.15	2.35	.90	2.90	4.73	.00	.00	.16	.08	.00	.76
E04B0	E40633720	37 50	122 13	500	Oakland Truitt	23.30	2.90	9.30	2.30	.70	2.40	4.80	.00	.00	.00	.00	.00	.90
E04B0	E40633500	37 44	122 12	3	Oakland WB AP	16.55	3.04	5.96	1.53	.48	1.44	3.46	.08	.02	.14	.10	.00	.30
E04B0	E40633201	37 47	122 11	250	Oakland 39th St	22.47	3.13	8.29	2.16	.73	2.62	4.51	.09	.06	.21	.12	.03	.52
E04B0	E40633520	37 50	122 12	1,200	Oakland 4 NE	28.30	3.29	10.50	2.72	.52	4.39	5.34	.14	.00	.32	.29	.00	.79
F15A0	F90637000	38 24	122 57	960	Occidental	47.73	4.52	19.95	3.06	2.24	5.89	9.12	.70	.00	.18	.00	.00	2.07
E06F0	E40650101	37 54	122 12	370	Orinda Filters	26.88	2.37	9.27	2.45	.97	4.85	6.08	.09	.03	.18	.00	.03	.56
E04B0	E40650307	37 51	122 09	695	Orinda 11 Ivy Drive	31.49	2.89	11.59	2.74	1.13	5.14	6.66	.18	.10	.25	.00	.00	.81
E02B1	E80658541	37 36	122 28	220	Pacifica Vallemar	23.69	2.78	7.79	3.08	1.25	2.89	4.50	.12	.19	.30	.07	.01	.71
T05E0	D10661000	36 44	121 22	950	Paicines Ohrwall Ranch	14.37	1.57	4.51	1.98	.66	1.45	3.89	.28	0	.00	.00	.00	.03
E05E0	E60664200	37 26	122 10	54	Palo Alto	---	1.48	4.34	1.76	.59	---	2.79	.02	.11	.09	.02	.00	.15
T09F0	D20665000	36 21	121 30	1,835	Paloma	17.82	1.50	5.99	3.29	.46	1.43	4.27	.20	.20	.01	.05	.05	.37
E06C0	E20682601	38 13	122 42	240	Petaluma Burns	19.42	2.25	7.43	1.64	1.20	2.41	4.07	.27	.00	.01	.06	.00	.08
F13E0	F80685101	39 05	123 28	240	Philo 2 NW	30.75	2.88	12.97	2.29	1.30	4.07	5.64	.14	.12	.02	.00	.00	1.32
E03B0	E20685300	37 57	122 34	175	Phoenix Lake Dam	41.26	2.84	17.22	3.67	1.94	5.85	8.72	.32	.03	.14	.02	.00	.51
E04B0	E40685670	37 49	122 14	330	Piedmont Fire Dept	23.81	3.36	9.36	2.03	.79	2.78	4.38	.00	.04	.12	.04	.00	.91
E04B0	E40685674	37 49	122 14	100	Piedmont Foree	21.17	2.74	7.77	1.90	.66	2.58	4.12	.05	.05	.20	.05	.01	1.04
E02B2	E80686300	37 32	122 25	625	Pilarcitos	8.38	.15	1.99	2.83	1.04	.37	.92	.11	.20	.36	.00	.00	.41
T09G0	D20692600	36 29	121 11	1,310	Pinnacles Nat Mon	13.30	1.28	3.96	3.30	.39	.72	3.33	.07	.00	.03	.05	.00	.17
F13G0	F80700900	38 54	123 42	100	Point Arena	34.49	4.96	14.93	2.92	1.67	2.50	5.51	.34	.20	.09	.30	.00	1.07
E02D0	E80708600	37 15	122 13	422	Portola State Park	33.22	3.61	10.84	3.63	1.23	4.55	7.13	.32	.72	.28	.21	.02	.68
F14C2	F90710900	39 22	123 08	1,014	Potter Valley PH	32.57	3.00	15.74	2.86	.26	2.44	5.58	.13	.18	.00	.00	.10	2.28
F14C2	F90710800	39 18	123 04	1,100	Potter Valley 3 SE	11.96	1.42	4.79	.80	.13	1.72	2.19	.03	.03	.00	.00	.00	.85
T09G0	D20715000	36 11	120 42	2,300	Priest Valley	13.36	.90	3.68	3.83	.45E	1.00	3.06	.38	.03	.00	.00	.00	.03
E04D0	E60733900	37 29	122 14	31	Redwood City	17.23	1.83	5.67	2.03	.66	1.97	4.15	.08	.45	.15	.00	.01	.18
E03C0	E40741400	37 56	122 21	55	Richmond	19.15	1.81	7.26	1.97	.80	2.29	4.37	.10	.02	.10	.08	.00	.35
E03C0	E40741450	37 56	122 21	55	Richmond City Hall	19.28	1.77	7.12	1.89	.73	2.23	4.19	.11	.01	.08	.00	.00	1.15
E06F0	E40752810	38 02	122 16	30	Rodeo FS	14.63	1.67	5.44	1.37	.50	2.12	3.16	.03	.01	.09	.00	.00	.24
E06E0	E30764300	38 30	122 27	225	Saint Helena	26.45	2.04	9.87	2.09	1.47	4.83	4.98	.26	.00	.04	.00	.00	.87
E04B0	E40766100	37 50	122 06	620	Saint Marys College	24.64	2.20	9.48	2.01	.63	4.30	5.23	.00	.01	.12	.02	.00	.64
T09B0	D20766900	36 40	121 36	80	Salinas FAA AP	8.98	1.06	2.42	1.03	.55	.89	2.48	.31	.10	.07	.03	.00	.04
T09H3	D30771203	35 49	120 56	800	San Antonio Dam-Monterey	9.12	.41	2.71	2.97	.42	.54	1.96	.05	.00	.04	.00	.00	.02
T09D0	D20771600	36 02	120 54	440	San Ardo	---	1.92	1.85	3.05	N	---	---	---	---	---	---	---	---
E04D0	E70772805	37 29	122 15	110	San Carlos Fire Station 3	16.20	1.69	7.44	2.03	.58	2.26	1.96	.08	.12	.00	.04	.00	.00
T0700	D40773100	36 26	121 42	600	San Clemente Dam	15.91	.98	5.77	1.86	.75	1.72	4.20	.51	.08	.01	.00	.00	.03
E04D0	E70776900	37 37	122 23	8	San Francisco WB AP	17.05	1.96	6.12	1.89	.74	2.35	3.30	.12	.05	.29	.03	.02	.18
E02D0	E80780700	37 18	122 21	245	San Gregorio 2 SE	28.41	3.47	9.35	3.40	1.28	2.39	6.41	.33	.60	.27	.21	.00	.70
E05D0	E60782100	37 20	121 54	95	San Jose	---	1.75	3.94	1.73	---	.76	2.98	.48	.23	.00	.13	.00	.34
E05E0	E60782401	37 19	121 57	90	San Jose Deciduous	11.77	1.06	3.53	1.77	.67	.74	2.93	.63	.03	.00	.07	.00	.34
E04B0	E40784210	37 43	122 10	27	San Leandro 1 W	17.26	3.26	6.34	1.31	.58	1.55	3.23	.09	.05	.12	.17	.00	.56
E04B0	E40784350	37 41	122 07	30	San Lorenzo Wagner	18.75	3.50	6.49	1.83	.65	1.81	3.53	.08	.02	.23	.14	.00	.47
E06F0	E40787214	37 57	122 16	330	San Pablo Reservoir	25.22	2.71	8.64	2.70	.99	3.31	5.79	.07	.05	.13	.04	.01	.78
E03B0	E20788021	37 59	122 31	120	San Rafael Civic Center	22.44	1.91	9.80	2.43	1.20	2.41	4.39	.30	.00	.00	.00	.00	.00
T04A2	D00791600	36 59	122 01	130	Santa Cruz	29.68	3.59	11.06	2.39	1.71	3.28	6.60	.42	.20	.14	.13	.02	.14
F14B2	F90796500	38 27	122 42	167	Santa Rosa	26.84	2.36	10.92	2.60	1.87	3.01	4.61	.20	.04	.02	.03	.00	1.18
F14B1	F90796449	38 22	122 46	75	Santa Rosa Laguna Plt	24.12	2.30	9.40	1.89	1.74	2.83	4.73	.25	.00	.04	.00	.00	.98
F14B1	F90796400	38 26	122 45	20	Santa Rosa Sewage Plt	---	2.17	9.43	2.08	1.77	2.58	5.52	.26	---	.04	.00	.00	1.19
F14B1	F90807200	38 21	122 49	145	Sebastopol 4 SSE	29.00	2.50	11.70	2.20	1.60	3.90	5.50	.40	.00	.10	.00	.00	1.10
E04B0	E40809750	37 46	122 08	535	Sequoyah Country Club	19.66	3.36	7.13	2.08	.47	2.42	3.83	.00	.00	.00	.00	.00	.37
T1100	T11825904	35 21	119 59	2,047	Simmler HMS	8.07	.15	1.82	3.39	.79	.30	.98	.26	.00	T	.00	.17	.21
E06F0	E40832450	37 58	122 17	250	Sobrante Filters	21.27	1.76	8.18	2.22	.74	2.74	5.07	.05	.02	.06	.04	.00	.39
E06D0	E20835100	38 17	122 27	97	Sonoma	---	2.48	10.04	1.80	1.42	3.04	3.74	.16	.02	.00	---	.00	.53
E01A2	F90837450	38 09	122 47	400	Soulajule Reservoir	29.39	2.50	11.02	2.47	1.28	4.87	5.39	.26	.12	.02	.06	.00	1.40
T09A0	D20844600	36 36	121 41	60	Spreckles Hwy Bridge	---	1.30	3.45	1.79	1.05	.88	1.88	---	.09	.06	.05	.00	.05
E05E0	E60866643	37 20	122 01	175	Sunnyvale Hendricks	13.09	1.56	4.16	1.75	.71	1.14	3.34	.14	.00	.00	.00	.00	.29
F14C1	F90912200	39 09	123 12	623	Ukiah	28.97	3.42	11.90	2.14	.69	3.36	5.51	.19	.00	.03	.00	.00	1.73
F14C1	F90912400	39 08	123 17	1,900	Ukiah 4 WSW	41.00	4.56	15.95	3.80	.87	5.35	8.24	.46	.17	.04	.07	.00	1.49
E04B0	E40918502	37 46	122 06	475	Upper San Leandro Dam	17.78	3.31	8.04	2.32	.53	2.41	4.32	.15	.18	.26	.15	.00	.43
E04B0	E40918501	37 46	122 10	395	Upper San Leandro Filters	23.37	3.65	8.90	2.08	.56	2.35	4.24	.08	.56	.26	.08	.07	.54
E04B0	E40918503	37 48	122 08	490	Upper San Leandro Reservoir	22.10	3.82	8.90	2.08	.56	2.35	4.24	.08	.05	.26	.08	.07	.54
E06E0	E30921850	38 09	122 15	23	Vallejo 4N	17.51	2.25	7.14	1.50	.91	1.64	3.62	.06	.05	.03	.02	.00	.29
E06E0	E30930500	38 23	122 22	170	Veterans Home	27.54	1.94	11.12	1.72	1.71	4.95	5.33	.14	.01	.03	.00	.00	.59
E07C3	E40942450	37 55	122 05	384	Walnut Creek Filter Plant	18.12	1.87	6.90	1.61	.92	3.31	4.44	.06	.07	.15	.01	.04	.32
E07C1	E40942700	37 54	122 00	265	Walnut Creek 4 E	15.91	1.59	6.20	1.38	.64	1.97	3.37	.13	.01	.24	.00	.01	.37
F14B4	F90944000	38 43	123 00	224	Warm Springs Dam	8.40	.00	.00	2.58	.56	3.41	.00	.26	.00	.00	.12	.00	1.47
T05A0	D10947300	36 56	121 46	95	Watsonville Water Works	19.42	2.30	7.37	1.73	1.04	1.18	4.64	.48	.32	.10	.04	.00	.22
E01A3	F90977000	38 00	122 38	430	Woodacre	34.56	2.52	14.46	3.32	1.19	5.20	7.09	.13	.05	.07	.01	.00	.52
E05E0	E60979200	37 25	122 15	380	Woodside Fire Station	24.27	1.09	9.45	2.88	.89	3.72	5.43	.17	.21	.25	.00	.00	.18
E05D0	E60981400	37 08	121 57	1,600	Wrights	32.08	2.43	12.06	2.92	1.63	4.38	7.05	.45	.10	.18	.08	.00	.80

APPENDIX B

SURFACE WATER MEASUREMENT

NOTE: The Department maintains no stream gage stations in the Central Coastal area for the purpose of obtaining daily mean flow data. Daily mean flow for this area is collected by federal and local agencies. The appendix title was included, however, to maintain continuity of appendix titles and letter designations used in the five volumes of Bulletin 130-85.

APPENDIX C

SURFACE WATER QUALITY

SAMPLING STATION INDEX
Central Coastal Area

Station	Station Number	Location*	Areal Code	Beginning of Record	Analyses on Page(s)	Map Page
MEDA C NR NILES	E5 1150.00	04S/02W-15M	E04B0	MAR 1951	30	24
ION R NR ALBION	F8 0630.00	16N/17W-13M	F13D0	SEPT 1976	31,39,44	23
ION RIVER AT TOM BELL FLAT	F8 0635.00	16N/16W-04M	F13D0	APR 1985	31	23
ION RIVER 1 MI UPSTREAM FROM MOUTH	F8 0226.00	16N/17W-21M	F13D0	APR 1985	31	23
ERSON C A HWY 253	F8 2405.00	13N/14W-12M	F13E0	APR 1985	32	23
OYO SECO R NR SOLEDAD	D2 1450.00	19S/06E-16M	T09F0	APR 1969	28,39,43	25
OYO VALLE NR LIVERMORE	E5 1400.00	03S/02E-33M	E04C0	MAY 1951	30	24
R NR MENDOCINO	F8 2720.00	17N/17W-25M	F13C0	JAN 1959	32,40,45	23
SULPHUR C AB EAGLE ROCK	F9 1650.60	11N/09W-14M	F14B6	AUG 1981	33,37,45	23
SULPHUR C AB SQUAW C	F9 1648.25	11N/09W-04M	F14B6	MAR 1981	33,37,45	23
SULPHUR C NR CLOVERDALE	F9 1600.00	11N/10W-04M	F14B6	FEB 1962	33	23
SUR R NR BIG SUR	D4 2100.00	19S/02E-29M	T0800	MAY 1952	29,39,44	25
MEL R A HWY 1	D4 1010.50	16S/01W-13M	T0700	APR 1969	28,44	25
MEL R BL SAN CLEMENTE DM	D4 1214.90	17S/02E-23M	T0700	AUG 1982	28,44	25
OTE C NR MADRONE	E6 4250.00	09S/03E-09M	E05C0	JAN 1952	31	24
RELLA R NR ESTRELLA	D3 1200.00	26S/13E-05M	T09L0	FEB 1985	39	25
NN C NR NAVARRO	F8 2110.00	15N/16W-13M	F13E0	FEB 1975	32	23
CIA R A WINDY HALLOW RD	F8 0007.00	13N/17W-36M	F13F4	APR 1985	31,39,44	23
DALUPE R A W SAN CARLOS ST	E6 5271.10	07S/01E-17M	E05C0	JUNE 1975	31,39,44	24
LALA R A CO RD 501 A HWY 1	F8 1001.00	11N/15W/27M	F13H5	APR 1985	31	23
LALA R NR GUALALA	F8 1007.00	11N/15W-26M	F13H5	FEB 1975	31	23
LALA R SF NR ANNAPOLIS	F8 1100.00	10N/14W-21M	F13H5	APR 1958	31,39,44	23
LALA RIVER AT GUALALA	F8 1005.00	11N/15W-34M	F13H5	FEB 1975	31	23
AN C A PHILO	F8 2325.00	14N/14W-20M	F13E0	FEB 1975	32	23
LE SUR R A HWY 1	D4 3610.20	18S/01E-29M	T0800	JAN 1953	29,39,44	25
GATOS C A LOS GATOS	E6 5250.00	08S/01W-29M	E05C0	MAR 1949	31	24
MIENTO R BL NAC DM NR BRADLEY	D3 3450.00	25S/10E-14M	T09H1	MAR 1977	28,39,44	25
MIENTO R NR JOLON	D3 3225.50	22S/05E-15M	T09H1	SEPT 1974	28,44	25
R A ST HELENA	E3 1500.00	08N/05W-32M	E06E0	DEC 1951	30	24
ARRO R A HENDY WOODS STATE PK	F8 2320.00	14N/15W-11M	F13E0	APR 1985	32	23
ARRO R NF NR NAVARRO	F8 2115.00	15N/15W-18M	F13E0	FEB 1975	31,39,45	23
ARRO R NR NAVARRO	F8 2100.00	15N/16W-07M	F13E0	JAN 1959	32	23
R NR FORT BRAGG	F8 3100.00	18N/17W-15M	F13B0	SEPT 1958	32,40,45	23
ALUMA R BL HWY 101 A RR BR	E2E 813.7 236.7	05N/07W-34M	E06C0	OCT 1973	39,44	24
SIAN R, EF, A POTTER VLY PH	F9 4900.00	17N/11W-06M	F14C1	MAY 1951	34	23
SIAN R, EF, NR CALPELLA	F9 4200.00	16N/12W-13M	F14C1	OCT 1950	34	23
SIAN R NR CLOVERDALE	F9 1680.00	12N/11W-23M	F14C1	APR 1962	34	23
SIAN R NR GUERNEVILLE	F9 1100.00	08N/10W-35M	F14A1	NOV 1969	32	23
SIAN R NR HEALDSBURG	F9 1500.00	09N/09W-22M	F14B5	JULY 1950	32	23
SIAN R NR HOPLAND	F9 1765.00	14N/12W-36M	F14C1	APR 1951	34	23
SIAN R NR UKAIH	F9 1850.00	16N/12W-33M	F14C1	APR 1962	34	23
RAMENTO R A MALLARD ISL	E0B 802.6 155.1	02N/01W-01M	E07A0	AUG 1961	30	24
NAS R A BLANCO RD	D2 1150.30	14S/02E-33M	T09A0	AUG 1964	27,37,43	25
NAS R A DAVIS RD	D2 1160.20	15S/02E M	T09A0	AUG 1972	27,43	25
NAS R A PASO ROBLES	D3 1450.00	26S/12E-33M	T09H1	APR 1951	28,43	25
NAS R A TWIN BRIDGES	D2 1110.50	14S/02E-08M	T09A0	AUG 1964	27,43	25
NAS R AB PILITAS C SANTA MARG	D3 1675.00	30S/14E-06M	T09H1	SEPT 1974	28,43	25
NAS R N POZO	D3 1800.00	30S/15E-18M	T09H1	SEPT 1974	28,44	25
NAS R NR GONZALES	D2 1325.10	17S/05E-06M	T09A0	MAY 1969	27,43	25
NAS R NR SPRECKELS	D2 1220.00	15S/03E-18M	T09A0	APR 1951	27,43	25
ANTONIO R BL SAN ANTONIO DM	D3 2098.30	24S/10E-26M	T09H1	JAN 1977	28,39	25
ANTONIO R NR LOCKWOOD	D3 2215.00	23S/08E-26M	T09H1	MAR 1974	28,44	25
BENITO R NR WILLOW C SCHOOL	D1 2450.00	15S/07E-21M	T05E0	JAN 1952	27,39,43	25
BAY SF PORT PIER 24 BAY BR W-2	E0B 747.5 223.1	01S/05W-02M	E03A3	OCT 1981	29	24
BAY SAN MATEO B PIER 20- S-CHAN	E0B 735.2 214.8	04S/04W 13M	E04A0	NOV 1981	29	24
LORENZO R A BIG TREES	D0 1200.00	10S/02W-27M	T05A0	DEC 1951	27,43	25
LORENZO R A PARIDISE PK	D0 1180.01	10S/02W-35M	T05A0	SEPT 1969	27,39,43	25
LORENZO R NR BOULDER C	D0 1800.00	08S/03W-25M	E05C0	AUG 1963	27,43	25
PABLO BAY A POINT SAN PABLO	E0B 757.7 225.6	01N/05W/05M	E03A2	NOV 1962	30	24
OMA C A AGUA CALIENTE	E2 6200.00	06N/06W-35M	E06D0	MAY 1974	30	24
UEL C A SOQUEL	D0 3100.00	11S/01W-10M	T04A3	DEC 1951	29,43	25
PHUR C, BIG, A GEYSERS RESORT	F9 1656.50	11N/09W-13M	F14B6	MAY 1981	34,37,45	23

* Mount Diablo Base and Meridian. See Appendix D.

APPENDIX C

SURFACE WATER QUALITY

Appendix C presents the results of chemical analyses of surface water samples collected in the Central Coastal Area from October 1, 1984 to September 30, 1985. The data are presented in four categories:

Table	Title
C-1	Mineral Analyses of Surface Water
C-2	Minor Element Analyses of Surface Water
C-3	Miscellaneous Analyses of Surface Water
C-4	Nutrient Analyses of Surface Water

To facilitate use of the surface water quality tables, a sampling station index is provided on the facing page. This index lists the stations in the tables and gives location data for each. The space for station names is restricted to a combination of 25 letters and/or numerals; therefore, some abbreviations are necessary. Pertinent abbreviations are:

A	–	at	NR	–	near
AB	–	above	PH	–	powerhouse
BL	–	below	PK	–	park
BR	–	bridge	R	–	river
C	–	creek	RD	–	road
CO	–	company	RR	–	railroad
DM	–	dam	SF	–	south fork
EF	–	east fork	VLY	–	valley
ISL	–	island	W	–	west

The number of pages referenced indicates the extent of analysis for each station. Locations of the stations are shown on Figure 4, pages 23 through 25.

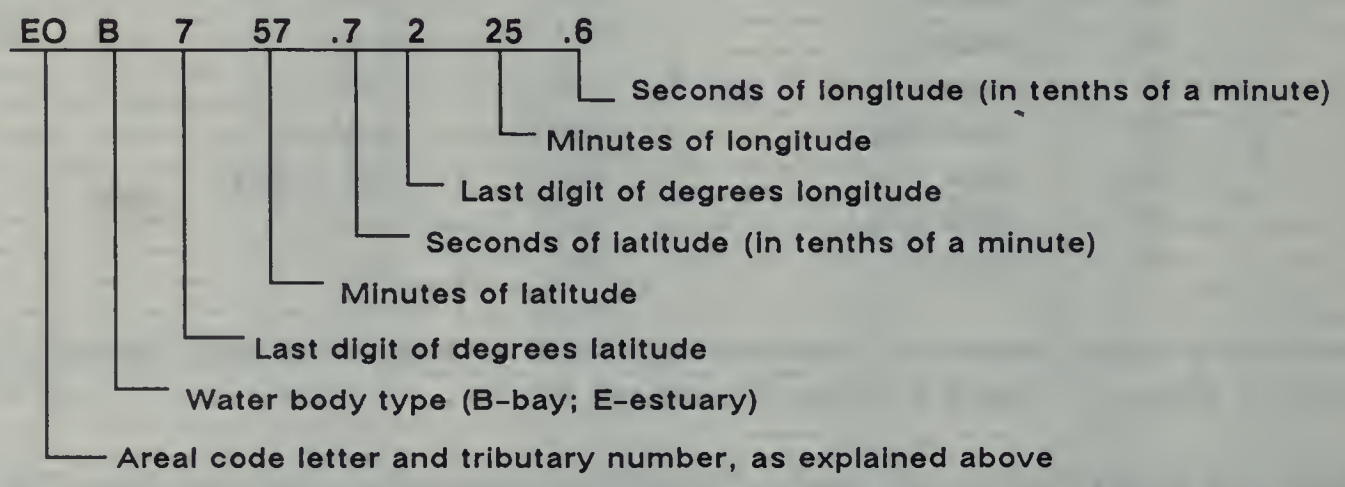
Surface water quality stations are listed in the tables by ascending station number. The station number appears on the left, the station name in the center, and the areal code on the right. The areal code is described on page 2.

Surface water quality stations are named after the stream and a nearby landmark or post office. An example is the station "San Lorenzo River near Boulder Creek." If a sampling station is situated at the site of a surface water measurement station, each uses the same name.

The first character of a surface water quality station number designates the basin in which the station is located and is one of the areal code letters shown in Figure 1. The second character, a numeral, designates a specific tributary area within that major basin. These two characters, therefore, indicate the general location of the station. In this appendix, data are reported for the basins and tributaries listed on the following page:

BASIN		TRIBUTARY	
Ltr	Name	No.	Name
D	CENTRAL COASTAL	0	Santa Cruz
		1	Pajaro – San Benito Rivers
		2	Lower Salinas River
		3	Upper Salinas River
		4	Monterey Coast
E	SAN FRANCISCO BAY	0	San Francisco Bay
		2	Marin – Sonoma
		3	Napa – Solano
		5	Alameda Creek
		6	Santa Clara Valley
F	NORTH COASTAL	8	Mendocino
		9	Russian River

Surface water quality stations located on broad bodies of water have elements of latitude and longitude included in the station number to assist in location. The station "San Pablo Bay at Point San Pablo" is an example:



In order to increase the amount of information presented in the water quality tables, some columns have multiple headings and data are tabulated respectively. For example, the first column of Table C–1 shows the date of sample collection printed above the time of sampling so the data are tabulated in that order. If a part of the values for a multiple heading column are obtained, they will appear in the column with respect to the heading positions. If dashes (or no data) appear in a column, it means no data was obtained.

At the time of sampling, dissolved oxygen, pH, temperature, specific conductance and gage height are determined.

Abbreviations and codes used in each table are explained at the beginning of each table.

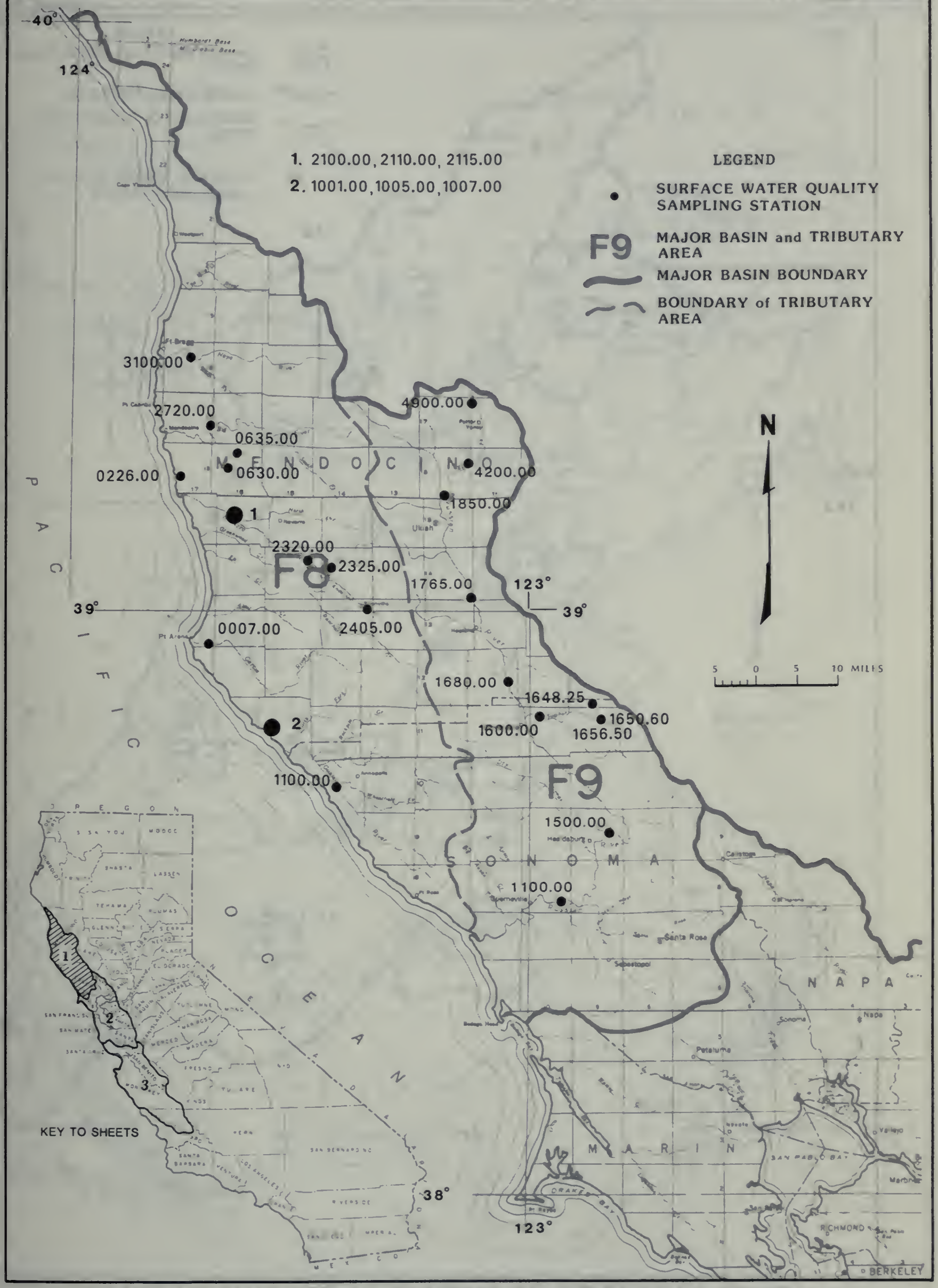


Figure 4 LOCATION OF SURFACE WATER QUALITY STATIONS

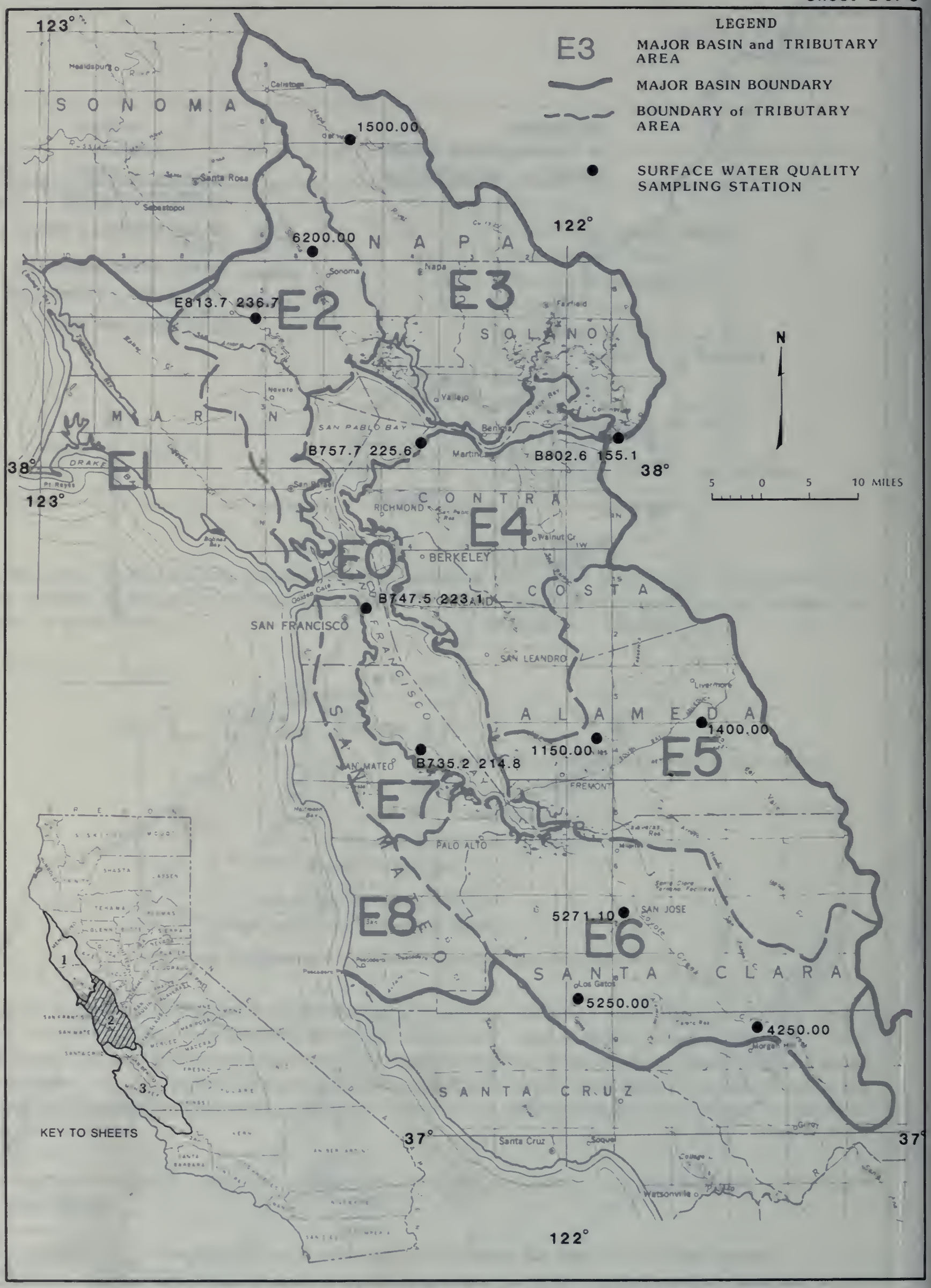


Figure 4 LOCATION OF SURFACE WATER QUALITY STATIONS

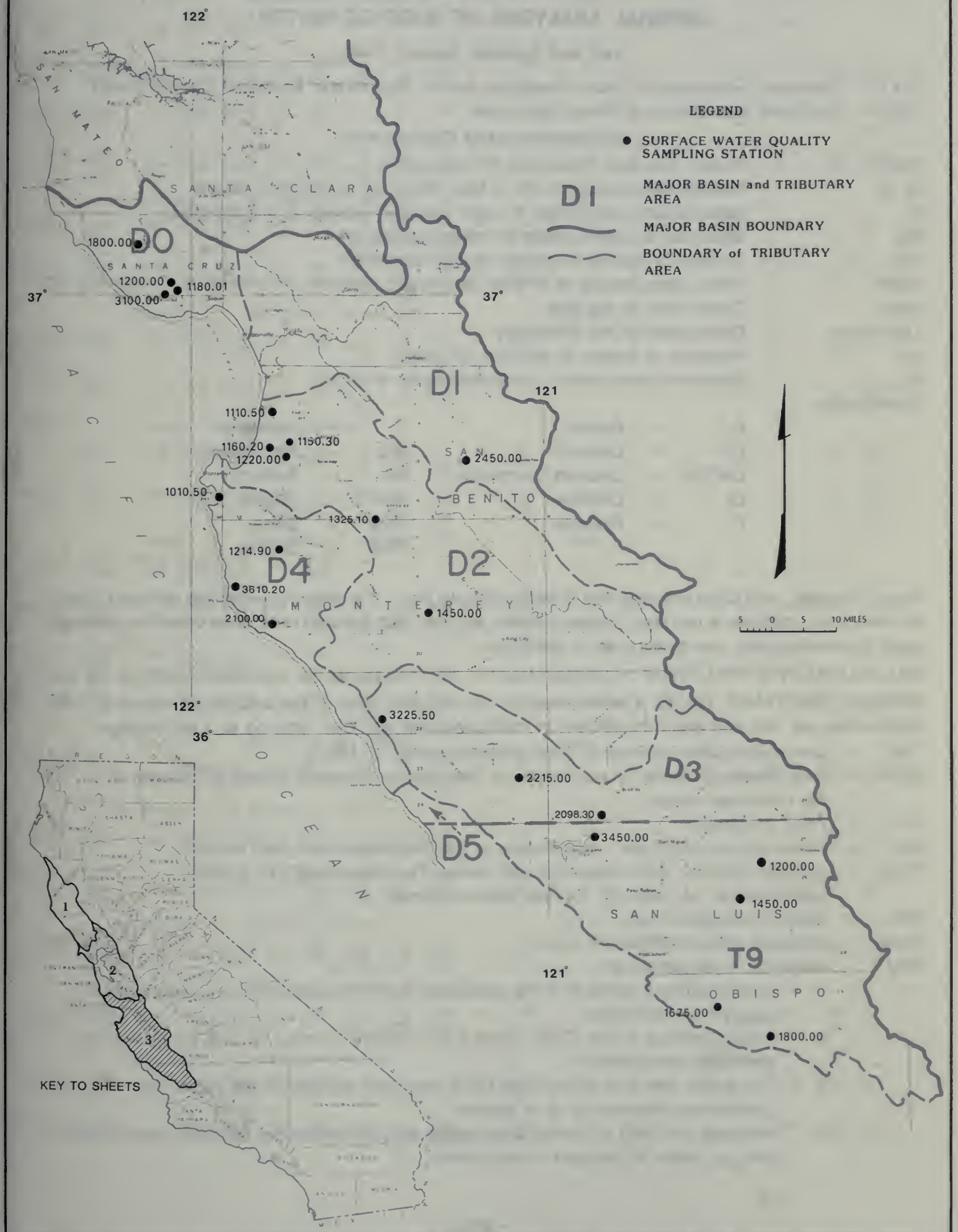


Figure 4 LOCATION OF SURFACE WATER QUALITY STATIONS

TABLE C-1
MINERAL ANALYSES OF SURFACE WATER

Lab and Sampler Agency Code

2163 – California Department of Water Resources for the State Water Resources Control Board
5050 – California Department of Water Resources

Abbreviations and Constituents

TIME – Pacific Standard Time on a 24-hour clock
G. H. – Instantaneous gage height in feet above an established datum
Q – Instantaneous discharge in cubic feet per second (E = Estimated)
DO – Dissolved oxygen content in milligrams per liter
SAT – Percent of normal dissolved oxygen saturation
TEMP – Water temperature at time of sampling in degrees Fahrenheit (F) or Celcius (C)
Field – Determined in the field
Laboratory – Determined in the laboratory
pH – Measure of acidity or alkalinity of water
EC – Electrical conductance in microsiemens at 25°C
Constituents:

B	–	Boron	K	–	Potassium
CA	–	Calcium	MG	–	Magnesium
CACO3	–	Calcium Carbonate	NA	–	Sodium
CL	–	Chloride	NO3	–	Nitrate
F	–	Fluoride	SIO2	–	Silica
			SO4	–	Sulfate

Boron, Fluoride, and Silica are reported in milligrams per liter. The other minerals are reported in each of three units; milligrams per liter, milliequivalents per liter, and percent reactance value; accordingly, each observation can use three lines of tabulation.

MILLIEQUIVALENTS PER LITER is the concentration in Mg/l divided by the equivalent weight of the ion.

PERCENT REACTANCE VALUE is determined by dividing the sum of the cations or anions in milli-equivalents per liter into each constituent in milliequivalents per liter, arriving at a percentage.

TDS – Gravimetric determination of total dissolved solids at 180°C
SUM – Total dissolved solids by summation of analyzed constituents minus 40 percent of the carbonate weight
TH – Total Hardness
NCH – Noncarbonate hardness – any excess of total hardness over total alkalinity
TURB – Jackson turbidity units measured with Hellige Turbidimeter (E) or a Hach nephelometer (A) with (F) for field determinations
SAR – Sodium adsorption ratio
ASAR – Adjusted sodium adsorption ratio
REM – Remarks; code letters are:
- T – Total dissolved solids and the calculated sum of constituents are not within 20 percent of each other.
- E – Total dissolved solids (TDS) value is not within the range of 0.35 to 0.70 of the electrical conductivity
- S – The anion sum and cation sum for a complete analysis is not within the prescribed tolerance of ± 5 percent.
- X – Indicates the field electrical conductivity and the laboratory electrical conductivity are <u>not</u> within 20 percent of each other.

TABLE C-1

MINERAL ANALYSES OF SURFACE WATER

DATE TIME	SAMPLER LAB	G.H. O	DO SAT	TEMP	FIELD LABORATORY PH	EC	MINERAL CONSTITUENTS IN MILLIGRAMS PER LITER / MILLIEQUIVALENTS PER LITER / PERCENT REACTANCE VALUE CA	MG	NA	K	CACO3	SO4	CL	NO3	B TURB	F SIO2	TDS SUM	TH NCH	SAR ASAR	REM
	DO	1150.01		SAN LORENZO R A PARIDISE PK								TO540								
10/29/84	5050		12.5	55.4F	7.0	413	--	--	--	--	--	--	--	--	--	--	242			
1030	5050	25E	118	13.0C											24	--				
03/11/85	5050		10.5	50.9F	7.6	246	26	8.0	17	--	78	--	--	--	--	--	198	98	0.7	E
1230	5050	200E	94	10.5C	7.9	264	1.30	.66	.74		1.56					--		20	1.1	
							48	24	27											
08/20/85	5050		12.4	66.2F	8.4	369	--	--	--	--	--	--	--	--	--	--	231			
1117	5050		133	19.0C											14	--				
09/09/85	5050		11.3	64.4F	8.4	388	40	8.0	24	--	100	--	--	--	--	--	220	133	0.9	
1235	5050	10E	119	18.0C	8.3	373	2.00	.66	1.04		2.18				1A	--		24	1.5	
							54	18	28											
	DO	1200.00		SAN LORENZO R A BIG TREES								TO540								
03/11/85	5050	4.27	10.7	51.8F	7.8	270	28	6.0	16	--	88	--	--	--	--	--	184	94	0.7	
1315	5050		97	11.0C	7.9	279	1.40	.49	.70		1.36					--		27	1.0	
							54	19	27											
09/09/85	5050	2.52	9.6	64.4F	7.9	399	42	8.0	25	--	112	--	--	--	--	--	239	138	0.9	
1300	5050		101	18.0C	8.4	384	2.10	.66	1.09		2.24					--		26	1.6	
							55	17	28											
	DO	1800.00		SAN LORENZO R NR BOULDER C								EO5CO								
03/11/85	5050	2.55	11.5	50.0F	8.0	361	45	8.0	17	--	100	--	--	--	--	--	232	145	0.6	
1400	5050		104	10.0C	8.0	370	2.25	.66	.74		2.18					--		37	1.1	
							62	18	20											
09/09/85	5050	2.30	9.8	59.0F	8.4	529	73	12	24	--	196	--	--	--	--	--	321	232	0.7	
1345	5050		99	15.0C	8.5	514	3.64	.99	1.04		3.92					--		36	1.4	
							64	17	18											
	DO	3100.00		SQUEL C A SQUEL								TO443								
03/11/85	5050	2.56	10.5	53.6F	8.0	442	45	13	26	--	113	--	--	--	--	--	294	166	0.9	
1500	5050		97	12.0C	8.1	458	2.25	1.07	1.13		2.26					--		53	1.6	
							51	24	25											
09/09/85	5050	1.58	10.0	66.2F	8.4	924	32	11	66	--	183	--	--	--	--	--	422	125	3.3	Y
1245	5050		107	19.0C	8.4	676	1.60	.90	3.74		3.66					--		0	6.1	
							26	14	60											
	D1	2450.00		SAN BENITO R NR WILLOW C SCHOOL								TO5E0								
10/30/84	5050	4.31	10.3	57.2F	8.4	1512	--	--	--	--	--	--	--	--	--	--	926			
0930	5050	5E	102	14.0C		1520									24	--				
03/11/85	5050		12.0	55.4F	8.5	1406	41	100	126	--	413	--	--	--	--	--	867	514	2.4	
1145	5050	10E	117	13.0C	8.5	1370	2.05	8.22	5.48		8.25					--		101	6.6	
							13	52	35											
08/20/85	5050	4.01	10.1	66.2F	8.2	1680	--	--	--	--	--	--	--	--	--	--	1120			
0912	5050		111	19.0C											18	--				
09/09/85	5050		12.1	64.4F	8.4	1852	34	118	836	--	401	--	--	--	--	--	1280	571	4.3	
1055	5050	1E	131	18.0C	8.6	1980	1.70	9.70	18.27		8.01				1A	--		170	11.7	
							8	45	47											
	D2	1110.50		SALINAS R A TWIN BRIDGES								TO940								
03/12/85	5050		10.3	55.4F	8.2	2064	90	68	230	--	358	--	--	--	--	--	1200	504	4.5	
0850	5050	50E	97	13.0C	8.4	2040	4.49	5.59	10.01		7.15					--		147	11.7	
							22	28	50											
	D2	1130.30		SALINAS R A BLANCO RD								TO940								
03/12/85	5050		5.5	53.6F	7.6	1584	99	50	153	--	325	--	--	--	--	--	934	453	3.1	
0930	5050	25E	51	12.0C	7.7	1550	4.94	4.11	6.66		6.45					--		126	8.0	
							31	26	42											
09/09/85	5050		9.9	73.4F	7.8	1924	125	68	192	--	483	--	--	--	--	--	1150	592	3.4	
1530	5050	3E	115	23.0C	8.4	1860	6.24	5.59	8.35		9.65					--		109	9.7	
							31	28	41											
	D2	1160.20		SALINAS R A DAVIS RD								TO940								
03/12/85	5050		5.8	54.5F	7.4	1468	82	40	133	--	270	--	--	--	--	--	792	368	3.0	
0945	5050	10E	54	12.5C	7.7	1350	4.09	3.29	5.79		5.39					--		100	7.2	
							31	25	44											
	D2	1220.00		SALINAS R NR SPRECKELS								TO940								
03/12/85	5050		8.4	59.0F	7.4	1048	54	30	100	--	222	--	--	--	--	--	589	258	2.7	
1015	5050	5E	83	15.0C	7.6	1070	2.69	2.47	4.35		4.44					--		36	5.9	
							28	26	46											
	D2	1325.10		SALINAS R NR GONZALES								TO940								
03/12/85	5050		11.3	56.3F	8.4	1052	87	38	74	--	180	--	--	--	--	--	695	374	1.7	
1430	5050	40E	108	13.5C	8.3	1050	4.34	3.13	3.22		3.60					--		104	3.8	
							41	29	30											
09/10/85	5050		9.1	71.6F	8.4	445	42	18	21	--	140	--	--	--	--	--	260	170	0.7	
1345	5050	50E	104	22.0C	8.4	434	2.10	1.48	.91		2.80					--		39	1.3	
							47	33	20											

TABLE C-1 (CONTINUED)

MINERAL ANALYSES OF SURFACE WATER

DATE TIME	SAMPLER LAB	G.H. O	DO SAT	TEMP	FIELD LABORATORY PH	EC	MINERAL CONSTITUENTS IN MILLIGRAMS PER LITER / MILLIEQUIVALENTS PER LITER / PERCENT REACTANCE VALUE CA	MG	NA	K	CACO3	SO4	CL	NO3	B TURB	F SIO2	TDS SUM	TH NCH	SAR ASAR	REM
	D2	1450.00		ARROYO SECO R NR SOLEDAD								TQOFO								
03/12/85	5050	2.36	11.4	50.9F	8.4	284	33	8.0	12	--	83	--	--	--	--	--	179	116	0.5	
1330	5050		103	10.5C	8.1	281	1.65	.66	.52		1.66				2A	--		33	0.7	
							58	23	18											
09/10/85	5050	1.20	11.8	68.9F	8.1	970	63	26	89	--	158	--	--	--	--	--	594	264	2.4	
1300	5050		132	20.5C	8.5	901	3.14	2.14	3.87		3.16					--		106	4.9	
							34	23	42											
	D3	1450.00		SALINAS R A PASO ROBLES								TQ9H1								
03/13/85	5050		10.8	64.4F	8.4	741	76	29	39	--	201	--	--	--	--	--	481	309	1.0	
1215	5050	75E	116	18.0C	7.8	743	3.79	2.38	1.70		4.02					--		108	2.2	
							48	30	22											
	D3	1675.00		SALINAS R AB PILITAS C SANTA MARG								TQ9H1								
03/13/85	5050		11.9	62.6F	8.2	614	54	30	38	--	145	--	--	--	--	--	422	258	1.0	
1315	5050	2E	127	17.0C	7.8	641	2.69	2.47	1.65		2.90					--		113	2.1	
							40	36	24											
09/11/85	5050		7.9	66.2F	7.7	526	34	26	35	--	122	--	--	--	--	--	316	192	1.1	
0930	5050	1E	88	19.0C	8.3	531	1.70	2.14	1.52		2.44					--		70	2.0	
							32	40	28											
	D3	1800.00		SALINAS R N POZO								TQ9H1								
03/13/85	5050		12.2	65.3F	8.4	531	44	24	32	--	124	--	--	--	--	--	348	209	1.0	
1400	5050	5E	136	18.5C	7.9	541	2.20	1.97	1.39		2.48					--		85	1.8	
							40	35	25											
	D3	2098.30		SAN ANTONIO R BL SAN ANTONIO DM								TQ9H1								
10/30/84	5050		9.7	62.6F	8.0	404	--	--	--	--	--	--	--	--	--	--	266			
1130	5050	30E	102	17.0C		406									2A	--				
03/13/85	5050		5.6	59.0F	7.4	676	68	22	47	--	159	--	--	--	--	--	437	260	1.3	
1130	5050	10E	56	15.0C	7.9	691	3.39	1.81	2.04		3.18					--		101	2.6	
							47	25	28											
08/21/85	5050		12.0	57.2F	8.2	355	--	--	--	--	--	--	--	--	--	--	261			
0933	5050	15	118	14.0C											0A	--				
09/11/85	5050		8.1	53.6F	7.6	449	49	15	19	--	137	--	--	--	--	--	288	184	0.6	
0730	5050	100E	76	12.0C	8.4	452	2.45	1.23	.83		2.74				0A	--		47	1.2	
							54	27	18											
	D3	2215.00		SAN ANTONIO R NR LOCKWOOD								TQ9H1								
03/13/85	5050		10.2	50.9F	7.8	395	49	16	15	--	115	--	--	--	--	--	290	188	0.5	F
0815	5050	125E	94	10.5C	8.1	396	2.45	1.32	.65		2.30					--		74	0.9	
							55	30	15											
	D3	3225.50		NACIMIENTO R NR JOLON								TQ9H1								
03/13/85	5050		10.5	47.3F	7.8	276	38	9.0	8.0	--	113	--	--	--	--	--	186	132	0.3	
0945	5050	25E	95	8.5C	8.0	283	1.90	.74	.35		2.26					--		19	0.5	
							64	25	12											
	D3	3450.00		NACIMIENTO R BL NAC DM NR BRADLEY								TQ9H1								
10/30/84	5050		8.7	62.6F	7.4	345	--	--	--	--	--	--	--	--	--	--	211			
1200	5050	50E	91	17.0C		338									4A	--				
03/13/85	5050		12.9	51.8F	8.2	348	37	16	12	--	114	--	--	--	--	--	209	159	0.4	
1100	5050	25E	119	11.0C	8.1	344	1.85	1.32	.52		2.28					--		45	0.7	
							50	36	14											
08/21/85	5050		7.1	71.6F	7.2	281	--	--	--	--	--	--	--	--	--	--	206			
1021	5050	100	82	22.0C											4A	--				
09/11/85	5050		7.5	68.0F	8.0	402	37	17	12	--	130	--	--	--	--	--	226	163	0.4	
0900	5050	300E	84	20.0C	8.3	376	1.85	1.40	.52		2.60				4A	--		33	0.8	
							49	37	14											
	D4	1010.50		CARMEL R A HWY 1								TQ700								
03/12/85	5050		10.5	51.8F	7.6	344	32	10	21	--	95	--	--	--	--	--	216	121	0.8	
1100	5050	600E	95	11.0C	8.0	346	1.60	.82	.91		1.90					--		26	1.3	
							48	25	27											
	D4	1214.90		CARMEL R BL SAN CLEMENTE DAM								TQ700								
03/12/85	5050	1.30	12.0	50.0F	8.0	236	23	8.0	12	--	78	--	--	--	--	--	154	90	0.6	
1200	5050	100E	108	10.0C	8.0	241	1.15	.65	.52		1.56					--		13	0.8	
							49	28	22											
09/10/85	5050	4.18	9.3	68.0F	7.8	346	36	11	15	--	128	--	--	--	--	--	200	135	0.6	
1130	5050	10E	103	20.0C	8.4	329	1.80	.90	.65		2.56					--		7	1.0	
							54	27	19											

TABLE C-1 (CONTINUED)

MINERAL ANALYSES OF SURFACE WATER

DATE TIME	SAMPLER LAB	G.H. O	DO SAT	TEMP	FIELD LABORATORY PH	EC	MINERAL CONSTITUENTS IN MILLIGRAMS PER LITER / MILLIEQUIVALENTS PER LITER / PERCENT REACTANCE VALUE CA	MG	NA	K	CACO3	SO4	CL	NO3	B TURB	F SIO2	TDS SUM	TH NCH	SAR ASAR	BEP
	04	2100.00		RIG SUR R NR RIG SUR								TOPOO								
10/29/84 1330	5050 5050	3.39 15E	11.2 102	51.8F 11.0C	8.0	310	--	--	--	--	--	--	--	--	-- 04	-- --	183			
04/10/85 1315	5050 5050	2.98 50E	11.1 105	54.5F 12.5C	7.1	234	--	--	--	--	--	--	--	--	-- 14	-- --	154			
09/10/85 1000	5050 5050	3.60 20E	10.4 106	60.8F 16.0C	8.3 8.5	316 290	40 2.00 66	7.0 .58 19	10 .44 18	--	121 2.42	--	--	--	--	-- --	186	129 R	0.4 0.7	
	04	3810.20		LITTLE SUR R A HWY 1								TOPOO								
10/29/84 1430	5050 5050	5E	10.8 102	55.4F 13.0C	8.4	364	--	--	--	--	--	--	--	--	-- 14	-- --	212			
04/10/85 1420	5050 5050	40E	10.7 101	55.4F 13.0C	8.0	245	--	--	--	--	--	--	--	--	-- 04	-- --	156			
09/10/85 0900	5050 5050	10E	10.5 106	60.8F 16.0C	8.1 8.5	398 370	49 2.45 59	11 .90 22	18 .78 19	--	156 3.08	--	--	--	--	-- --	226	147 14	0.6 1.2	
	EO R 735.2 214.8			SF BAY SAN MATEO R PIER 20 S-CHAN								EL4A0								
07/16/84 1100	5050 5050		68 F 20 C		44500 46200	--	--	--	--	--	--	-- 17000 479.60	--	--	--	-- --	31600			
07/30/84 0930	5050 5050		69 F 21 C		44800 46700	--	--	--	--	--	--	-- 17400 490.68	--	--	--	-- --	32100			
08/22/84 1130	5050 5050		68.4F 20.2C		43450 47500	--	--	--	--	--	--	-- 17000 496.32	--	--	--	-- --	32000			
09/10/84 0945	5050 5050		66 F 19 C		44750 47800	--	--	--	--	--	--	-- 18000 507.60	--	--	--	-- --	33300			F
09/25/84 0915	5050 5050		66.9F 19.4C		44400 47900	--	--	--	--	--	--	-- 18200 513.24	--	--	--	-- --	33600			F
	EO R 747.5 223.1			SF BAY SF PORT PIER 24 BAY BR M-2								EC3A3								
10/01/84 0930	5050 5050		64 F 18 C		43000 42900	--	--	--	--	--	--	-- 16700 470.94	--	--	--	-- --	32400			F
10/15/84 0930	5050 5050		61 F 16 C		42900 42100	--	--	--	--	--	--	-- 16100 454.02	--	--	--	-- --	31600			F
11/05/84 1315	5050 5050		56 F 13 C		43550 43600	--	--	--	--	--	--	-- 16800 473.76	--	--	--	-- --	32700			F
11/19/84 1145	5050 5050		54 F 13 C		42300 42100	--	--	--	--	--	--	-- 15900 448.38	--	--	--	-- --	31600			F
12/17/84 1100	5050 5050		51 F 11 C		40500 40000	--	--	--	--	--	--	-- 14600 411.72	--	--	--	-- --	29400			F
01/16/85 1200	5050 5050		49 F 9 C		41200 41400	--	--	--	--	--	--	-- 15700 442.74	--	--	--	-- --	30700			F
01/30/85 1030	5050 5050		48 F 9 C		40700 40600	--	--	--	--	--	--	-- 15500 437.10	--	--	--	-- --	30700			F
02/21/85 1300	5050 5050		53 F 12 C		35160 41300	--	--	--	--	--	--	-- 15700 442.74	--	--	--	-- --	30300			F
03/07/85 1015	5050 5050		50 F 10 C		45100 40600	--	--	--	--	--	--	-- 15200 428.64	--	--	--	-- --	29900			F
03/19/85 1145	5050 5050		53 F 12 C		43200 43200	--	--	--	--	--	--	-- 16900 451.20	--	--	--	-- --	32000			F
04/08/85 0945	5050 5050		57 F 14 C		41950 42000	--	--	--	--	--	--	-- 15810 445.56	--	--	--	-- --	30800			F
04/19/85 1100	5050 5050		56 F 13 C		44350 45700	--	--	--	--	--	--	-- 16900 476.58	--	--	--	-- --	31900			
05/09/85 1115	5050 5050		56 F 13 C		45200 46900	--	--	--	--	--	--	-- 17400 490.68	--	--	--	-- --	32800			
05/29/85 0915	5050 5050		57 F 14 C		45350 47100	--	--	--	--	--	--	-- 17600 496.32	--	--	--	-- --	32700			
06/12/85 0930	5050 5050		59 F 15 C		45550 47100	--	--	--	--	--	--	-- 17600 496.32	--	--	--	-- --	32500			

TABLE C-1 (CONTINUED)

MINERAL ANALYSES OF SURFACE WATER

DATE TIME	SAMPLER LAB	G.H. O	DO SAT	TEMP		FIELD LABORATORY PH	FIELD LABORATORY EC	MINERAL CONSTITUENTS IN MILLIEQUIVALENTS PER LITER PERCENT REACTANCE VALUE CA	MG	NA	K	MILLIGRAMS PER LITER CACO3	SO4	CL	NO3	B	F	MILLIGRAMS PER LITER SIO2	TDS SUM	TH NCH	SAR ASAR	PER
	ED R 747.5 223.1				SF BAY SF PORT PIER 24 BAY RR W-2								EC383 CONTINUED									
07/03/85	5050			63	F		45600	--	--	--	--	--	--	17700	--	--	--		33000			
0915	5050			17	C		47300							499.14			--					
09/11/85	5050			61	F		45050	--	--	--	--	--	--	18400	--	--	--		34200			E
0915	5050			16	C		49200							518.88			--					
09/24/85	5050			62.6F			49500	--	--	--	--	--	--	14200	--	--	--		35100			E
1045	5050			17.0C			45200							513.24			--					
	ED R 757.7 225.4				SAN PABLO BAY A POINT SAN PABLO								EC382									
01/30/85	5050			48	F		31300	--	--	--	--	--	--	11400	--	--	--		22200			E
1200	5050			9	C		31700							327.12			--					
02/21/85	5050			52	F		41550	--	--	--	--	--	--	12900	--	--	--		25400			E
1115	5050			11	C		35600							363.78			--					
03/23/85	5050			55	F		38500	--	--	--	--	--	--	13500	--	--	--		27400			E
1330	5050			13	C		37700							360.70			--					
04/08/85	5050			59	F		35600	--	--	--	--	--	--	12800	--	--	--		24500			E
1130	5050			15	C		35500							360.96			--					
04/19/85	5050			58	F		38750	--	--	--	--	--	--	14600	--	--	--		27700			
0930	5050			14	C		40000							411.72			--					
05/09/85	5050			60	F		37750	--	--	--	--	--	--	14100	--	--	--		26700			
1215	5050			16	C		39200							397.42			--					
05/31/85	5050			61	F			--	--	--	--	--	--	15500	--	--	--		29100			
1145	5050			16	C		42300							437.16			--					
07/03/85	5050			62	F		44800	--	--	--	--	--	--	16400	--	--	--		30800			
1200	5050			17	C		44200							462.48			--					
07/29/85	5050						44600	--	--	--	--	--	--	16300	--	--	--		30800			
1125	5050						44200							459.66			--					
	ED R 502.6 155.1				SACRAMENTO R A MALLARD ISL								EC740									
10/05/84	5050			61	F		628	--	--	--	--	--	--	133	--	--	--		338			
0945	5050			15	C		636							3.79			--					
	E2 F 813.7 236.7				PETALUMA R AT HWY 101 A PP RR								EC6C0									
04/23/85	2163		8.5	63	F	8.0	7412	--	--	--	--	--	--	--	--	--	--		4580			
1300	5050		88	17	C											344	--					
	E2	4200.00			SONOMA C A AGUA CALIENETE								EC600									
05/07/85	5050		11.2	59	F	8.3	290	19	18	16	2.1	129	14	10	2.2	.4	--	188	122	0.6		
1015	5050		111	15	C	8.0	304	.95	1.48	.70	.09	2.58	.29	.29	.04	14	--	190	8	1.1		
								30	47	22	2	81	9	9	1							
09/11/85	5050		10.3	65	F	8.3	391	25	22	26	2.7	168	15	20	.3	.4	--	241	159	0.9		
1200	5050		109	18	C	8.5	396	1.25	1.81	1.13	.07	3.36	.31	.56	.00	04	--	212	6	1.7		
								29	42	27	2	79	7	13	0							
	E3	1800.00			NAPA R A ST HELENA								EC6E0									
04/08/85	5050		3.43	6.4	63	F	7.2	218	18	9.0	15	--	74	--	11	--	--	--	158	92	0.7	
1150	5050			67	17	C	8.0	228	.90	.74	.65		1.48		.31		58	--		6	1.0	
									30	32	28											
09/25/85	5050		2.45	4.0	63.9F		6.9	380	29	15	19	2.1	131	15	22	.8	.5	--	225	134	0.7	
0840	5050			42	17.7C		8.5	374	1.45	1.23	.83	.09	2.52	.31	.62	.01		--	182	3	1.3	
									41	35	23	1	74	9	17	0						
	E5	1150.00			ALAMEDA C NR NILES								EC480									
05/09/85	5050		2.91	9.0	58	F	8.1	1067	71	47	83	2.4	285	127	102	12.0	.9	--	447	371	1.9	
0915	5050			88	14	C	8.2	1040	3.54	3.87	3.61	.06	5.49	2.64	2.88	.19	54	--	616	96	4.6	
									32	35	33	1	50	23	25	2						S
09/19/85	5050		3.16	9.7	65	F	8.3	596	35	22	58	2.9	141	63	77	3.2	.3	--	423	178	1.9	
1445	5050			103	18	C	8.5	641	1.75	1.81	2.52	.07	2.42	1.31	2.17	.05	54	--	344	37	3.5	
									28	29	41	1	44	21	34	1						
	E5	1400.00			ARROYO VALLE NR LIVERMORE								EC4C0									
05/09/85	5050		2.34	14.3	61	F	8.4	1210	81	51	104	3.1	251	246	93	.1	1.2	--	962	412	2.3	E
1515	5050			147	16	C	8.5	1190	4.04	4.19	4.61	.08	5.01	5.14	2.62	.00	14	--	782	141	5.5	
									31	32	36	1	38	42	20	0						
09/19/85	5050		2.31	8.1	63	F	8.1	1326	63	60	134	4.3	183	359	105	.3	1.4	--	933	404	2.9	
1630	5050			85	17	C	8.3	1370	3.14	4.93	5.83	.11	3.66	7.47	2.96	.00	24	--	837	221	4.6	
									22	35	42	1	26	53	21	0						

TABLE C-1 (CONTINUED)

MINERAL ANALYSES OF SURFACE WATER

DATE TIME	SAMPLER LAB	G.H. O	DO SAT	TEMP		FIELD LABORATORY PH	EC	MINERAL CONSTITUENTS IN MILLIEQUIVALENTS PER LITER PERCENT REACTANCE VALUE CA	MG	NA	K	CACO3	SO4	CL	NO3	B TUSR	F SIO2	MILLIGRAMS PER LITER TDS SUM	TH NCH	CAR ASAN	GEN
	E6	4250.00				COYOTE C NR MADRONE								EC5CO							
05/09/85	5050	2.42	12.1	56	F	8.2	463	45	21	22	1.7	171		15	.4	.1	--	295	199	0.7	
1330	5050		114	12	C	8.4	470	2.25	1.73	.96	.04	3.42		.42	.01	74	--	264	29	1.4	
								65	35	19	1	67		25	M	C					
09/10/85	5050	2.37	8.6	68	F	8.1	480	47	24	25	2.0	192		17	.7	.1	--	296	214	0.7	
1245	5050		95	20	C	8.6	507	2.35	1.97	1.09	.05	3.44		.48	.01	134	--	268	34	1.9	
								43	36	20	1	67		9	0						
	E6	5230.00				LOS GATOS C A LOS GATOS								EC5CO							
05/09/85	5050	2.35	10.9	57	F	7.9	473	55	19	17	1.5	154		24	11	1.5	.3	--	311	215	0.5
1145	5050		104	14	C	8.3	479	2.74	1.55	.74	.04	3.06		1.75	.31	.03	74	--	262	61	1.0
								54	31	15	1	60		34	6	1					
	E6	5271.10				GUADALUPE R A W SAN CARLOS ST								EC5CO							
04/30/85	2163		10.1	62	F	8.2	664	--	--	--	--	--		--	--	--	--	--	469		
1215	5050	40E	103	17	C												24	--			
	E8	0007.00				GARCIA R A WINDY HALLOW RD								E13E4							
04/04/85	5050		10.8	55.4F		7.3	160	15	5.0	11	1.0	58		9.0	5.0	.0	.0	--	96	58	0.6
1010	5050	70E	102	13.0C		6.8	152	.75	.41	.48	.03	1.16		.19	.14	.00	14	--	91	0	0.7
								45	25	29	2	76		13	9	0					
	E8	0226.00				ALBION R ONE MILE AB MD								E13D0							
04/03/85	5050		11.0	57.2F		7.9	22250	--	--	--	--	--		--	--	--	--	--			
1350	5050		106	14.0C													648	--			
	E8	0630.00				ALBION R NR ALBION								E13D0							
04/03/85	5050		10.1	54.0F		7.3	160	14	5.0	9.0	1.0	58		9.0	7.0	.1	.1	--	101	56	0.6
1600	5050		94	12.2C		7.0	154	.70	.41	.39	.03	1.12		.19	.20	.00	134	--	79	0	0.6
								46	27	25	2	74		13	13	0					
	E8	0635.00				ALBION R A TOM BELL FLAT								E13D0							
04/03/85	5050						160	--	--	--	--	--		--	--	--	--	--			
1500	5050																144E	--			
	E8	1001.00				GUALALA R A CO RD 501 A HWY 1								E13H5							
04/04/85	5050		10.4	59.9F		7.4	183	--	--	--	--	--		--	--	--	--	--			
1320	5050		104	15.5C													34E	--			
	E8	1005.00				GUALALA RIVER AT GUALALA								E13H5							
04/04/85	5050						176	--	--	--	--	--		--	--	--	--	--			
1140	5050																24E	--			
	E8	1007.00				GUALALA R NR GUALALA								E13H5							
04/04/85	5050		10.0	62.0F		7.4	176	--	--	--	--	--		--	--	--	--	--			
1235	5050	30E	102	16.7C													34E	--			
	E8	1100.00				GUALALA R SE NR ANNAPOLIS								E13H5							
10/18/84	2163		10.6	54	F	7.6	268	--	--	--	--	--		--	--	--	--	--	155		
1030	5050	25E	99	12	C		272										24	--			
05/08/85	5050		10.3	64	F	7.7	232	22	10	11	1.1	100		15	6.0	.0	.1	--	144	96	0.5
1345	5050		108	18	C	7.9	240	1.10	.82	.48	.03	2.00		.31	.17	.00	34	--	125	0	0.7
								45	34	20	1	81		13	7	0					
08/27/85	2163		8.3	65.2F		7.3	272	--	--	--	--	--		--	--	--	--	--	166		
1045	5050	3E	89	19.0C													14	--			
09/12/85	5050		13.5	69	F	8.4	256	24	11	13	1.2	111		14	9.0	.2	.1	--	152	105	0.6
1345	5050		149	21	C	8.4	264	1.20	.90	.57	.03	2.22		.28	.23	.00	24	--	138	0	0.0
								44	33	21	1	81		11	8	0					
09/26/85	5050		7.8	63.0F		7.3	271	24	11	13	1.4	109		12	8.0	.2	.1	--	151	105	0.6
1045	5050	3E	81	17.2C		8.4	263	1.20	.90	.57	.04	2.15		.25	.23	.01	14	--	136	0	0.9
								44	33	21	1	82		9	9	0					
	E8	2110.00				NAVARRO R NR NAVARRO								E13E0							
10/25/84	5050	1.75	10.0	56.3F		7.4	271	27	10	14	--	112		--	9.0	--	.2	--	154	103	0.6
1015	5050	20	96	13.5C		8.2	268	1.35	.82	.61		2.24			.25		24	--		0	0.0
								49	29	22											
12/05/84	5050	4.50	10.9	50.0F		7.3	167	--	--	--	--	--		--	--	--	--	--			
0915	5050	791	96	10.0C													154E	--			
02/08/85	5050		10.9	49.1F			174	--	--	--	--	--		--	--	--	--	--			
0755	5050		95	9.5C													<904E	--			
04/18/85	5050	2.65	10.3	54.5F		7.4		22	9.0	11	--	92		--	5.0	--	.1	--	134	92	0.5
0835	5050	126	96	12.5C		7.6	229	1.10	.74	.48		1.84			.17		24	--		0	0.7
								47	32	21											
06/06/85	5050		9.3	64.4F		7.5	245	--	--	--	--	--		--	--	--	--	--			
0830	5050	29	98	18.0C													24E	--			
08/07/85	5050	1.45	6.7	65.3F		7.0	296	--	--	--	--	--		--	--	--	--	--			
0745	5050	5.6	71	18.5C													26E	--			

TABLE C-1 (CONTINUED)

MINERAL ANALYSES OF SURFACE WATER

DATE TIME	SAMPLER LAB	G.H. O	DO SAT	TEMP	FIELD LABORATORY PH	EC	MINERAL CONSTITUENTS IN MILLIEQUIVALENTS PER LITER PERCENT REACTANCE VALUE CA	MG	NA	K	MILLIGRAMS PER LITER CACO3	SO4	CL	NO3	MILLIGRAMS PER LITER B TURB	F SIO2	TDS SUM	TH NCH	SAR ASAR	PER
	FR	2110.00		FLYNN C NR NAVARRO								F13E0								
04/18/85	5050		10.7	50.9F	7.3	183	16	6.0	10	--	72	--	7.0	--	.1	--		64	0.5	
0905	5050	4E	96	10.5C	8.1	179	.80	.49	.44		1.44		.20		14	--		0	0.7	
							46	28	25											S
	FR	2115.00		NAVARRO R NF NR NAVARRO								F13E0								
04/18/85	5050		10.8	52.7F	7.3	223	21	8.0	13	--	92	--	6.0	--	.2	--		86	0.6	
0925	5050	20E	99	11.5C	8.1	221	1.05	.66	.57		1.84		.17		14	--		0	0.9	
							46	29	25											S
	FR	2320.00		NAVARRO R A HENDY WOODS STATE PK								F13E0								
04/18/85	5050		10.8	57.2F	7.7	234	23	9.0	11	--	98	--	5.0	--	.2	--		94	0.5	
0945	5050	80E	105	14.0C	8.2	231	1.15	.74	.48		1.96		.14		0A	--		0	0.7	
							49	31	20											S
	FR	2325.00		INDIAN C A PHILO								F13E0								
04/16/85	5050		11.0	55.4F	7.8	262	27	10	14	--	117	--	5.0	--	.2	--		109	0.6	
1005	5050	25E	105	13.0C	8.1	264	1.35	.82	.61		2.34		.14		0A	--		0	1.0	
							49	29	22											S
	FR	2405.00		ANDERSON C A HWY 253								F13E0								
04/18/85	5050		11.2	56.3F	8.2	245	26	9.0	12	--	105	--	4.0	--	.1	--		102	0.5	
1025	5050	9E	109	13.5C	8.2	244	1.30	.74	.52		2.10		.11		1A	--		0	0.8	
							51	29	20											S
	FR	2720.00		BIG R NR MENDOCINO								F13C0								
10/25/84	5050		10.3	53.6F	7.5	221	21	7.0	12	--	89	--	8.0	--	.4	--	128	82	0.6	
0915	5050	9E	95	12.0C	8.1	218	1.05	.58	.52		1.78		.23		14	--		0	0.8	
							49	27	24											
12/05/84	5050		10.7	50.0F	7.2	134	--	--	--	--	--	--	--	--	--	--				
0905	5050	70E	95	10.0C											154F	--				
																				S
02/08/85	5050		11.0	48.2F		84	7.0	3.0	6.0	--	27	--	4.0	--	.1	--		30	0.5	
0840	5050	3000E	95	9.0C	7.8	81	.35	.25	.26		.54		.11		6CDA	--		3	0.2	
							41	29	30											S
04/17/85	5050		10.6	54.5F	7.2		17	6.0	10	--	72	--	5.0	--	.1	--	106	67	0.5	
1850	5050	30E	99	12.5C	7.7	180	.85	.49	.44		1.44		.14		14	--		0	0.7	
							48	28	25											
06/06/85	5050		9.7	66.2F	7.3	198	--	--	--	--	--	--	--	--	--	--				
0935	5050	5E	104	19.0C											2AF	--				
08/07/85	5050		9.6	64.4F	7.1	200	--	--	--	--	--	--	--	--	--	--				
0850	5050	2E	91	18.0C											14F	--				
	FR	3100.00		NOYO R NR FORT BRAGG								F13R0								
10/25/84	5050		10.1	52.7F	7.3	175	16	5.0	11	--	66	--	7.0	--	.1	--	104	60	0.6	
0825	5050	12	92	11.5C	8.0	172	.80	.41	.48		1.32		.20		3A	--		0	0.7	
							47	24	28											
12/04/84	5050		10.6	50.9F	7.1	111	--	--	--	--	--	--	--	--	--	--				
0950	5050	370	95	10.5C											13AF	--				
																				S
02/08/85	5050		11.2	48.2F		80	6.0	2.0	5.0	--	26	--	4.0	--	.1	--		23	0.5	
1005	5050	410	97	9.0C	7.7	75	.30	.16	.22		.52		.11		2104	--		0	0.2	
							44	24	32											S
04/17/85	5050	3.95	10.8	54.5F	7.2		12	4.0	9.0	--	54	--	5.0	--	.0	--	90	46	0.6	
1755	5050	76	101	12.5C	7.8	139	.60	.33	.39		1.08		.14		1A	--		0	0.6	
							45	25	30											
06/06/85	5050	3.23	10.1	60.8F	7.2	139	--	--	--	--	--	--	--	--	--	--				
1025	5050	23	102	16.0C											2AF	--				
08/07/85	5050	2.80	8.5	66.2F	7.0	169	--	--	--	--	--	--	--	--	--	--				
0945	5050	5.3	91	19.0C											14F	--				
	FR	1100.00		RUSSIAN R NR GUERNEVILLE								F1461								
04/08/85	5050		9.2	63 F	7.6	248	24	13	10	--	108	--	6.0	--	--	--	144	114	0.4	
1500	5050		95	17 C	8.1	258	1.20	1.07	.44		2.16		.17		7A	--		6	0.7	
							44	39	16											
09/26/85	5050	3.33	8.9	69.8F	7.3	262	23	13	10	1.2	116	12	6.0	.7	.4	--	144	111	0.4	
1240	5050		99	21.0C	8.4	256	1.15	1.07	.44	.03	2.32	.25	.17	.01		--	136	0	0.7	
							43	40	16	1	84	9	6	0						
	FR	1500.00		RUSSIAN R NR HEALDSBURG								F1485								
04/09/85	5050	2.38	9.5	58 F	8.0	233	28	16	10	--	105	--	4.0	--	--	--	140	136	0.4	
0910	5050		93	14 C	8.1	245	1.40	1.32	.44		2.10		.11		5A	--		31	0.6	
							44	42	14											
09/24/85	5050	1.08	9.4	73.9F	8.2	280	24	13	6.0	1.1	114	13	5.0	.1	.4	--	142	114	0.2	
1400	5050		110	23.3C	8.5	252	1.20	1.07	.26	.03	2.28	.27	.14	.00		--	131	0	0.4	
							47	42	10	1	85	10	5	0						

TABLE C-1 (CONTINUED)

MINERAL ANALYSES OF SURFACE WATER

DATE TIME	SAMPLER LAB	G.H. Q	DO SAT	TEMP	FIELD LABORATORY PH	FIELD LABORATORY EC	MINERAL CONSTITUENTS IN MILLIGRAMS PER LITER / MILLIEQUIVALENTS PER LITER / PERCENT REACTANCE VALUE CA	MG	NA	K	CACO3	SO4	CL	NO3	B TURB	F SIO2	TDS SUM	TH NCH	SAR ASAR	PER
	FQ	1600.00		BIG SULPHUR C NR CLOVERDALE								F1486								
05/07/85	5050		9.8	67 F	8.3	344	33	21	9.0	1.0	141	25	2.0	2.0	.7	--	202	150	0.3	
1245	5050		107	19 C	8.4	350	1.65	1.73	.39	.03	3.22	.54	.06	.03	1A	--	191	*	0.6	
							43	46	10	1	84	14	2	1						
09/11/85	5050		10.3	68 F	8.6	415	39	24	14	1.4	150	63	3.0	5.3	1.7	--	263	194	0.4	
1420	5050		114	20 C	8.6	421	1.95	1.97	.61	.04	3.00	1.31	.08	.09	0A	--	241	6A	0.0	
							43	43	13	1	87	29	2	2						
	FQ	1648.25		BIG SULPHUR C AB SQUAW C								F1486								
10/03/84	5050		8.7	59.0F	7.9	715	48	41	34	3.2	--	148	2.0	--	3.4	--		289	0.0	
0800	5050		88	15.0C			2.40	3.37	1.48	.08		3.08	.06		14F	--				
							33	46	20	1										E
11/07/84	5050		9.7	51.8F	8.1	375	30	24	12	1.7	--	55	3.0	--	1.8	--		174	0.0	
1030	5050		90	11.0C			1.50	1.97	.52	.04		1.15	.08		144F	--				
							37	49	13	1										E
12/05/84	5050		10.6	51.8F	8.1	283	26	17	6.0	.9	--	32	2.0	--	.9	--		125	0.0	
1100	5050		99	11.0C			1.30	1.40	.26	.02		.67	.06		78F	--				
							44	47	9	1										S
01/08/85	5050		12.0	46.4F	7.9	365	31	22	9.0	1.2	--	48	2.0	--	1.4	--		168	0.0	
0915	5050		104	8.0C	8.3		1.55	1.81	.39	.03		1.00	.06		134F	--				
							41	48	10	1										E
02/05/85	5050		11.0	41.0F	7.9	420	35	26	11	1.3	--	53	2.0	--	1.6	--		195	0.0	
0915	5050		88	5.0C			1.75	2.14	.48	.03		1.10	.06		13F	--				
							40	49	11	1										E
03/08/85	5050		10.3	44.6F	8.0	325	28	20	8.0	--	--	37	2.0	--	1.0	--		152	0.0	
0935	5050		87	7.0C			1.40	1.64	.35			.77	.06		44F	--				
							41	48	10											S
04/02/85	5050		10.2	55.4F	8.2	291	33	22	8.0	--	--	28	2.0	--	.8	--		173	0.0	
0915	5050		99	13.0C			1.65	1.81	.35			.59	.06		24F	--				
							43	48	9											E
05/08/85	5050		10.8	56.3F	8.2	420	36	26	11	--	--	51	2.0	--	1.3	--		197	0.0	
0900	5050		106	13.5C			1.80	2.14	.48			1.06	.06		14F	--				
							41	48	11											S
06/05/85	5050		8.9	63.5F	8.2	475	40	29	14	--	--	62	2.0	--	1.6	--		220	0.0	
0800	5050		95	17.5C			2.00	2.38	.61			1.29	.06		14F	--				
							40	48	12											E
07/10/85	5050		10.2	78.8F	8.1	610	47	37	26	--	--	121	4.0	--	2.9	--		269	0.0	
1130	5050		128	26.0C			2.35	3.04	1.13			2.52	.11		24F	--				
							36	47	17											E
08/07/85	5050		7.4	65.3F	8.0	655	51	39	30	--	--	136	3.0	--	3.4	--		268	0.0	
0800	5050		81	18.5C			2.54	3.21	1.31			2.83	.08		14F	--				
							36	45	19											S
09/04/85	5050		10.6	69.8F	8.3	670	52	40	30	--	--	140	3.0	--	7.9	--		294	0.0	
1330	5050		121	21.0C			2.59	3.29	1.31			2.91	.08		14F	--				
							36	46	18											S
	FQ	1650.60		BIG SULPHUR C AB EAGLE ROCK								F1486								
10/03/84	5050		8.2	63.5F	7.7	611	52	39	22	2.4	--	123	2.0	--	3.4	--		290	0.0	
1215	5050		89	17.5C			2.59	3.21	.96	.07		2.56	.04		14F	--				
							38	47	14	1										E
11/07/84	5050		10.0	52.7F	7.9	355	28	24	9.0	1.3	--	49	3.0	--	1.7	--		149	0.0	
0900	5050		95	11.5C			1.40	1.97	.39	.03		1.00	.06		22AF	--				
							37	52	10	1										S
12/05/84	5050		10.2	51.8F	7.7	257	22	15	4.0	.7	--	28	2.0	--	.9	--		117	0.0	
1020	5050		96	11.0C			1.10	1.23	.17	.02		.58	.06		54F	--				
							44	49	7	1										S
01/08/85	5050		9.2	50.0F	8.0	315	28	19	6.0	1.0	--	40	1.0	--	1.6	--		148	0.0	
1400	5050		85	10.0C	8.1		1.40	1.56	.26	.03		.83	.03		54F	--				
							43	48	8	1										S
02/05/85	5050		8.4	44.4F	7.9	378	30	23	8.0	1.0	--	44	2.0	--	1.5	--		170	0.0	
1110	5050		74	8.0C			1.50	1.89	.35	.03		.92	.06		24F	--				
							40	50	9	1										E
03/08/85	5050		11.4	48.2F	8.1	300	25	19	8.0	--	--	35	2.0	--	1.0	--		141	0.0	
1040	5050		103	9.0C			1.25	1.56	.35			.73	.04		104F	--				
							40	49	11											E
04/02/85	5050		9.2	62.6F	8.0	260	26	17	5.0	--	--	24	2.0	--	.8	--		135	0.0	
1530	5050		99	17.0C			1.30	1.40	.22			.50	.06		24F	--				
							45	49	8											S
05/08/85	5050		10.0	59.9F	8.2	380	32	24	8.0	--	--	42	2.0	--	1.4	--		179	0.0	
1015	5050		104	15.5C			1.60	1.97	.35			.87	.06		24F	--				
							41	50	9											E
06/05/85	5050		9.2	65.3F	8.2	430	37	28	10	--	--	51	2.0	--	1.5	--		208	0.0	
0915	5050		102	18.5C			1.85	2.30	.44			1.06	.06		14F	--				
							40	50	10											E
07/11/85	5050		9.2	80.6F	8.1	540	45	35	17	--	--	99	3.0	--	2.9	--		256	0.0	
1320	5050		119	27.0C			2.25	2.88	.74			2.06	.09		14F	--				
							38	49	13											E
08/07/85	5050		10.5	70.7F	7.9	602	39	40	19	--	--	83	2.0	--	3.9	--		242	0.0	
0900	5050		123	21.5C			1.95	3.29	.83			1.73	.06		14F	--				
							32	54	14											E
09/04/85	5050		9.8	69.8F	8.0	610	52	40	21	--	--	113	3.0	--	11.0	--		294	0.0	
1145	5050		114	21.0C			2.59	3.29	.91			2.35	.08		14F	--				
							38	48	13											E

TABLE C-1 (CONTINUED)

MINERAL ANALYSES OF SURFACE WATER

DATE TIME	SAMPLER LAB	G.H. O	DO SAT	TEMP	FIELD LABORATORY PH	EC	MINERAL CONSTITUENTS IN MILLIGRAMS PER LITER / MILLIEQUIVALENTS PER LITER / PERCENT REACTANCE VALUE										MILLIGRAMS PER LITER				
							CA	MG	NA	K	CACO3	SO4	CL	NO3	B	F SIO2	TDS SUM	TH NCH	SAR ASAR	REM
	FQ	1656.50			SULPHUR C,BIG,A GEYSERS RESORT											F1486				
10/03/84	5050		8.5	63.5F	7.7	600	46	43	21	2.6	--	94	2.0	--	4.7	--	292		0.0	
1015	5050		92	17.5C			2.30	3.54	.91	.07		1.96	.06		1AF	--				
							34	52	13	1										S
11/07/84	5050		10.0	53.6F	8.0	310	26	23	8.0	1.2	--	39	3.0	--	1.8	--	160		0.0	
0945	5050		97	12.0C			1.30	1.89	.35	.03		.81	.08		16AF	--				
		0					38	53	10	1										S
12/05/84	5050		10.6	52.7F	7.9	230	20	14	4.0	.7	--	20	2.0	--	.9	--	108		0.0	
1130	5050		101	11.5C			1.00	1.15	.17	.02		.42	.06		5AF	--				
							43	49	7	1										S
01/08/85	5050		11.5	50.0F	8.0	295	26	17	6.0	.8	--	30	2.0	--	1.6	--	135		0.0	
1200	5050		106	10.0C	8.5		1.30	1.40	.26	.02		.62	.06		5AF	--				
							44	47	9	1										S
02/05/85	5050		10.3	45.5F	8.0	340	27	22	7.0	1.0	--	36	3.0	--	1.5	--	158		0.0	
0945	5050		90	7.5C			1.35	1.81	.30	.03		.75	.08		24F	--				
							39	52	9	1										S
03/08/85	5050		9.7	47.3F	7.8	275	23	18	6.0	--	--	29	2.0	--	.9	--	132		0.0	
1010	5050		86	8.5C			1.15	1.48	.26			.60	.06		5AF	--				
							40	51	9											S
04/02/85	5050		9.4	60.8F	8.0	225	27	19	6.0	--	--	20	2.0	--	.8	--	144		0.0	
1350	5050		99	16.0C			1.35	1.56	.26			.42	.06		1AF	--				
							43	49	8											S
05/08/85	5050		9.6	55.4F	8.2	360	28	23	7.0	--	--	34	2.0	--	1.2	--	165		0.0	
0920	5050		95	13.0C			1.40	1.89	.30			.71	.06		1AF	--				
							39	53	8											S
06/05/85	5050		10.0	64.4F	8.1	400	34	26	10	--	--	41	2.0	--	1.7	--	192		0.0	
0830	5050		110	19.0C			1.70	2.14	.44			.85	.06		1AF	--				
							40	50	10											S
07/10/85	5050		7.3	82.4F	8.1	505	40	37	16	--	--	75	3.0	--	3.2	--	252		0.0	
1230	5050		97	28.0C			2.00	3.04	.70			1.56	.08		24F	--				
							35	53	12											S
08/07/85	5050		7.8	69.8F	8.0	570	49	38	20	--	--	105	2.0	--	3.3	--	279		0.0	
0830	5050		91	21.0C			2.45	3.13	.87			2.19	.06		1AF	--				
							38	49	13											S
09/04/85	5050		8.2	77.0F	8.2	570	45	40	20	--	--	101	3.0	--	14.0	--	277		0.0	
1245	5050		103	25.0C			2.25	3.29	.87			2.10	.08		04F	--				
							35	51	14											S
	FQ	1680.00			RUSSIAN R NR CLOVERDALE											F14C1				
05/07/85	5050	2.44	13.3	65 F	8.4	249	25	13	10	.9	112	14	5.0	.8	.5	--	142	116	0.4	
1345	5050		142	18 C	8.3	257	1.25	1.07	.44	.02	2.24	.29	.14	.01	1A	--	136	4	0.7	
							45	38	16	1	84	11	5	0						
09/11/85	5050	2.84	9.1	67 F	8.4	203	21	10	8.0	.9	92	11	4.0	.4	.4	--	125	94	0.4	
1515	5050		99	19 C	8.4	209	1.05	.82	.35	.02	1.84	.23	.11	.01	2A	--	111	2	0.5	
							47	37	16	1	84	11	5	0						
	FQ	1765.00			RUSSIAN R NR HOPLAND											F14C1				
05/07/85	5050	2.52	14.5	64 F	8.4	224	21	11	10	1.0	97	13	5.0	1.4	.6	--	132	98	0.4	
1615	5050		154	18 C	8.3	231	1.05	.90	.44	.03	1.94	.27	.14	.02	3A	--	121	1	0.7	
							43	37	18	1	82	11	6	1						
09/11/85	5050	2.80	10.8	67 F	8.2	197	20	9.0	8.0	1.0	88	10	4.0	.9	.4	--	113	87	0.4	
1615	5050		119	19 C	8.4	204	1.00	.74	.35	.03	1.76	.21	.11	.01	4A	--	106	0	0.5	
							47	35	17	1	84	10	5	0						
	FQ	1850.00			RUSSIAN R NR UKIAH											F14C1				
05/07/85	5050	4.44	10.4	69 F	8.4	223	22	10	10	1.0	99	10	6.0	.7	.2	--	134	96	0.4	
1615	5050		117	21 C	8.3	230	1.10	.82	.44	.03	1.98	.21	.17	.01	1A	--	119	0	0.7	
							46	34	18	1	84	9	7	0						
09/12/85	5050	5.01	8.9	58 F	7.9	303	26	12	22	1.2	126	14	15	.4	.2	--	178	115	0.9	
0730	5050		88	14 C	8.5	314	1.30	.99	.96	.03	2.52	.29	.42	.01	0A	--	166	0	1.5	
							40	30	29	1	78	9	13	0						
	FQ	4200.00			RUSSIAN R, EF, NR CAPELLA											F14C1				
05/08/85	5050	5.43	11.3	57 F	7.8	216	23	10	8.0	.9	90	12	3.0	.4	.4	--	138	98	0.4	
0830	5050		112	14 C	7.7	228	1.15	.82	.39	.02	1.98	.25	.08	.01	1A	--	117	0	0.5	
							49	35	15	1	85	11	3	0						
09/12/85	5050	6.69	10.4	63 F	8.1	171	20	7.0	6.0	.7	79	9.0	3.0	.1	.4	--	101	79	0.3	
0845	5050		110	17 C	8.3	181	1.00	.58	.26	.02	1.58	.19	.08	.00	5A	--	94	0	0.4	
							54	31	14	1	85	10	4	0						
	FQ	4900.00			RUSSIAN R, EF, 4 POTTER VLY PH											F14C1				
04/09/85	5050	3.53	10.0	65 F	7.6	147	21	8.0	--	--	65	--	2.0	--	--	--	96	86		
1215	5050	326	109	18 C	8.0	153	1.05	.66			1.30		.06		7A	--		21		
09/24/85	5050	3.49	7.6	65.5F	8.1	196	20	7.0	6.0	.7	81	8.0	3.0	.0	.4	--	103	79	0.3	
1115	5050		84	18.6C	8.4	178	1.00	.58	.26	.02	1.62	.17	.08	.00		--	94	0	0.4	
							54	31	14	1	87	9	4	0						

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TABLE C-2
MINOR ELEMENT ANALYSES OF SURFACE WATER

Lab and Sampler Agency Code

5050 – California Department of Water Resources

Abbreviations

TIME	– Pacific Standard Time on a 24-hour clock
Disch	– Instantaneous discharge in cubic feet per second (E = Estimated)
EC	– Electrical conductance in microsiemens at 25° C
TEMP	– Water temperature at time of sampling in degrees Fahrenheit (F) or Celsius (C)
pH	– Measure of acidity or alkalinity of water
CHROM (ALL)	– All chromium
CHROM (HEX)	– Hexavalent chromium
D	– Dissolved
T	– Total
REM	– Remarks; the code letter "T" means that the total dissolved solids and the calculated sum of the constituents are not within 20 percent of each other.

TABLE C-2

MINOR ELEMENT ANALYSES OF SURFACE WATER

DATE TIME	SAMP LAB	DEPTH	DISCH EC	TEMP PH	CONSTITUENTS IN MILLIGRAMS PER LITER ARSENIC	BARIUM CADMIUM	CHROM (ALL) CHROM (HEX)	COPPER IRON	LEAD MANGANESE	MERCURY SELENIUM	SILVER ZINC	PEM
	02	1150.30		SALINAS R A BLANCO RD				T0940				
09/09/85	5050		3 E	23.0C		--	--	--	--	--	--	
1530	5050		1924	7.8	--	--	--	--	--	0.001 D	--	
	F9	1648.25		BIG SULPHUR C AB SQUAW C				F1486				
10/03/84	5050			15.0C		--	--	0.00 T	0.00 T	0.000 T	--	
0800	5050		715	7.9	--	0.00 T	--	0.12 T	0.00 T	--	0.00 T	
04/02/85	5050			13.0C		--	--	0.00 T	0.00 T	0.000 T	--	
0915	5050		291	8.2	--	0.00 T	--	0.41 T	0.03 T	--	0.01 T	
07/10/85	5050			26.0C		--	--	0.01 T	0.01 T	0.000 T	--	
1130	5050		610	8.1	--	0.00 T	--	0.17 T	0.01 T	--	--	
	F9	1650.60		BIG SULPHUR C AB EAGLE ROCK				F1486				
10/03/84	5050			17.5C		--	--	0.00 T	0.00 T	0.000 T	--	
1215	5050		611	7.7	--	0.00 T	--	0.35 T	0.03 T	--	0.00 T	
04/02/85	5050			17.0C		--	--	0.00 T	0.00 T	0.000 T	--	
1530	5050		260	8.0	--	0.00 T	--	0.25 T	0.02 T	--	0.01 T	
07/10/85	5050			27.0C		--	--	0.00 T	0.01 T	0.000 T	--	
1320	5050		540	8.1	--	0.00 T	--	0.12 T	0.02 T	--	0.01 T	
07/11/85	5050			27.0C		--	--	0.00 T	0.01 T	0.000 T	--	
1320	5050		540	8.1	--	0.00 T	--	0.12 T	0.02 T	--	--	
	F9	1656.50		SULPHUR C,BIG,A GEYSERS RESORT				F1486				
10/03/84	5050			17.5C		--	--	0.00 T	0.00 T	0.000 T	--	
1015	5050		600	7.7	--	0.00 T	--	0.23 T	0.04 T	--	0.00 T	
04/02/85	5050			16.0C		--	--	0.00 T	0.00 T	0.000 T	--	
1350	5050		225	8.0	--	0.00 T	--	0.24 T	0.02 T	--	0.01 T	
07/10/85	5050			28.0C		--	--	0.01 T	0.01 T	0.000 T	--	
1230	5050		505	8.1	--	0.00 T	--	0.18 T	0.04 T	--	--	

TABLE C-3
MISCELLANEOUS ANALYSES OF SURFACE WATER

Lab and Sampler Agency Codes

2163	–	California Department of Water Resources for the State Water Resources Control Board
5050	–	California Department of Water Resources

Abbreviations and Constituents

TIME	–	Pacific Standard Time on a 24-hour clock
TEMP	–	Water temperature at time of sampling in degrees Fahrenheit (F) or Celcius (C)
EC	–	Electrical conductance in microsiemens at 25° C
DO	–	Dissolved oxygen content in milligrams per liter
GH	–	Instantaneous gage height in feet above an established datum
pH	–	Measure of acidity or alkalinity of water: F = field determination, L = Lab determination
DISCH	–	Instantaneous discharge in cubic feet per second (E = estimated)
MBAS	–	Methylene blue active substance (a test for detergent surfactants) in milligrams per liter
DEPTH	–	Depth, in feet, at which sample was collected
TURB	–	Jackson turbidity units measured with a Hach nephelometer, (A); if in the field, (F)
T+L	–	Tannin and lignin as tannic acid in milligrams per liter
CHLOR	–	Field determination of residual chlorine in milligrams per liter
O+G	–	Oil and grease in milligrams per liter
COLOR	–	True color in color units
SET S	–	Settleable solids in milliliters per liter (ML/L) and milligrams per liter (MG/L)
BOD	–	Biochemical oxygen demand in milligrams per liter: B = 5 days
SUS S	–	Suspended solids in milligrams per liter; 5 = at 105 degrees C
COD	–	Chemical oxygen demand in milligrams per liter
V SUS S	–	Volatile suspended solids in milligrams per liter
CYANIDE	–	Cyanide in milligrams per liter
PHENOLS	–	Phenols in milligrams per liter
TOC	–	Total organic carbon in milligrams per liter
DOC	–	Dissolved organic carbon in milligrams per liter
IODIDE	–	Iodide in milligrams per liter
T ODOR	–	Threshold odor number at 60 degrees C
BROMIDE	–	Bromide in milligrams per liter
SULFITE	–	Sulfite in milligrams per liter
T SULF	–	Total sulfides in milligrams per liter
D SULF	–	Dissolved sulfides in milligrams per liter
CC EXT	–	Carbon chloroform extract
CA EXT	–	Carbon alcohol extract

TABLE C-3

MISCELLANEOUS ANALYSES OF SURFACE WATER

DATE TIME	SAMP LAB	TEMP EC	DO G.H.	F-PH L-PH	DISCH MGAS	DEPTH TURB	T+L CHLOR	D+G COLOR	SET S PL/L MG/L	BOD SUS S	COD V SUS S	CYANIDE PHENOLS	TOC DOC	IODIDE T ODOR	BROMIDE SULFITE	T SULF D SULF	CC EXT CA EXT
		D0 1180.01			SAN LORENZO R A PARIDISE PK						TG5A0						
10/29/84	5050	13.0C	12.5	7.0	25 E		--	--	--	1.5 B	--	--	--	--	--	--	--
1030	5050	413			--		--	--	--	--	--	--	--	--	--	--	--
08/20/85	5050	19.0C	12.4	8.4			--	--	--	0.8 B	--	--	--	--	--	--	--
1117	5050	369			--		--	--	--	--	--	--	--	--	--	--	--
09/09/85	5050	18.0C	11.3	8.4	10 E		--	--	--	1.0 B	--	--	--	--	--	--	--
1235	5050	388			--		--	--	--	--	--	--	--	--	--	--	--
		D1 2450.00			SAN BENITO R NR WILLOW C SCHOOL						TG5E0						
10/30/84	5050	14.0C	10.3	8.4	5 E		--	--	--	0.8 B	--	--	--	--	--	--	--
0930	5050	1512	4.31		--		--	--	--	--	--	--	--	--	--	--	--
08/20/85	5050	19.0C	10.1	8.2			--	--	--	0.4 B	--	--	--	--	--	--	--
0912	5050	1680	4.01		--		--	--	--	--	--	--	--	--	--	--	--
09/09/85	5050	18.0C	12.1	8.4	1 E		--	--	--	0.9 B	--	--	--	--	--	--	--
1055	5050	1852			--		--	--	--	--	--	--	--	--	--	--	--
		D2 1450.00			ARROYO SECO R NR SOLEDAD						TG9E0						
03/12/85	5050	10.5C	11.4	8.4			--	--	--	1.3 B	--	--	--	--	--	--	--
1330	5050	284	2.36		--		--	--	--	--	--	--	--	--	--	--	--
		D3 1200.00			ESTRELLA R NR ESTRELLA						TG9K0						
02/11/85	5050		10.0	8.0	6 E		--	--	--	0.8 B	--	--	--	--	--	--	--
1520		600			--		--	--	--	--	--	--	--	--	--	--	--
		D3 2098.30			SAN ANTONIO R BL SAN ANTONIO DM						TG9H1						
10/30/84	5050	17.0C	9.7	8.0	30 E		--	--	--	0.8 B	--	--	--	--	--	--	--
1130	5050	404			--		--	--	--	--	--	--	--	--	--	--	--
08/21/85	5050	14.0C	12.0	8.2	15.0		--	--	--	0.6 B	--	--	--	--	--	--	--
0933	5050	355			--		--	--	--	--	--	--	--	--	--	--	--
09/11/85	5050	12.0C	8.1	7.6	100 E		--	--	--	2.1 B	--	--	--	--	--	--	--
0730	5050	449			--		--	--	--	--	--	--	--	--	--	--	--
		D3 3450.00			NACIMIENTO R BL NAC DM NR BRADLEY						TG9H1						
10/30/84	5050	17.0C	8.7	7.4	50 E		--	--	--	0.6 B	--	--	--	--	--	--	--
1200	5050	345			--		--	--	--	--	--	--	--	--	--	--	--
08/21/85	5050	22.0C	7.1	7.2	100		--	--	--	0.3 B	--	--	--	--	--	--	--
1021	5050	281			--		--	--	--	--	--	--	--	--	--	--	--
09/11/85	5050	20.0C	7.5	8.0	300 E		--	--	--	0.9 B	--	--	--	--	--	--	--
0800	5050	402			--		--	--	--	--	--	--	--	--	--	--	--
		D4 2100.00			BIG SUR R NR BIG SUR						TGA60						
10/29/84	5050	11.0C	11.2	8.0	15 E		--	--	--	0.7 B	--	--	--	--	--	--	--
1330	5050	310	3.39		--		--	--	--	--	--	--	--	--	--	--	--
04/10/85	5050	12.5C	11.1	7.1	50 E		--	--	--	0.3 B	--	--	--	--	--	--	--
1315	5050	234	2.98		--		--	--	--	--	--	--	--	--	--	--	--
		D4 3610.20			LITTLE SUR R A HWY 1						TG800						
10/29/84	5050	13.0C	10.8	8.4	5 E		--	--	--	1.3 B	--	--	--	--	--	--	--
1430	5050	364			--		--	--	--	--	--	--	--	--	--	--	--
04/10/85	5050	13.0C	10.7	8.0	40 E		--	--	--	0.3 B	--	--	--	--	--	--	--
1420	5050	245			--		--	--	--	--	--	--	--	--	--	--	--
		E2 E 813.7 236.7			PETALUMA R BL HWY 101 A RR BR						E06C0						
04/23/85	2163	63 F	8.5	8.0			--	--	--	4.9 B	--	--	--	--	--	--	--
1300	5050	7412			--		--	--	--	--	--	--	--	--	--	--	--
		E6 5271.10			GUADALUPE R A W SAN CARLOS ST						EG5C0						
04/30/85	2163	62 F	10.1	8.2	40 E		--	--	--	0.6 B	--	--	--	--	--	--	--
1215	5050	664			--		--	--	--	--	--	--	--	--	--	--	--
		F8 0007.00			GARCIA R A WINDY HALLOW RD						F13F4						
04/04/85	5050	13.0C	10.8	7.3			--	--	--	0.2 B	--	--	--	--	--	--	--
1010	5050	160			--		--	--	--	--	--	--	--	--	--	--	--
		F8 0630.00			ALBION R NR ALBION						F13D0						
04/03/85	5050	54.0F	10.1	7.3			--	--	--	0.3 B	--	--	--	--	--	--	--
1600	5050	160			--		--	--	--	--	--	--	--	--	--	--	--
		F8 1100.00			GUALALA R SF NR ANNAPOLIS						F13H5						
10/18/84	2163	54 F	10.6	7.6	25 E		--	--	--	0.3 B	--	--	--	--	--	--	--
1030	5050	268			--		--	--	--	--	--	--	--	--	--	--	--
08/27/85	2163	19.0C	8.3	7.3	3 E		--	--	--	1.2 C	--	--	--	--	--	--	--
1045	5050	272			--		--	--	--	--	--	--	--	--	--	--	--
09/26/85	2163	17.2C	7.8	7.3	3 E		--	--	--	0.8 B	--	--	--	--	--	--	--
1045	5050	271			--		--	--	--	--	--	--	--	--	--	--	--
		F8 2100.00			NAVARRO R NR NAVARRO						F13E0						
10/25/84	5050	13.5C	10.0	7.4			--	--	--	0.5 B	--	--	--	--	--	--	--
1015	5050	271	1.75		--		--	--	--	--	--	--	--	--	--	--	--
04/18/85	5050	12.5C	10.3	7.4			--	--	--	0.0 B	--	--	--	--	--	--	--
0835	5050		2.65		--		--	--	--	--	--	--	--	--	--	--	--

TABLE C-3 (CONTINUED)

MISCELLANEOUS ANALYSES OF SURFACE WATER

DATE TIME	SAMP LAB	TEMP EC	DO G.H.	F-PH L-PH	DISCH MGAS	DEPTH TURB	T+L CHLOR	O+G COLOR	SET S ML/L MG/L	BOD SUS S	COD V SUS S	CYANIDE PHENOLS	TOC DOC	IODIDE T ODOR	BROMIDE SULFITE	T SULF D SULF	CC EXT CA EXT
	F8	2720.00			BIG R NR MENDOCINO						F13C0						
10/25/84	5050	12.0C	10.3	7.5	9 E		--	--	--	0.2 R	--	--	--	--	--	--	--
0915	5050	227			--		--	--	--	--	--	--	--	--	--	--	--
04/17/85	5050	12.5C	10.6	7.2	30 E		--	--	--	0.8 R	--	--	--	--	--	--	--
1850	5050				--		--	--	--	--	--	--	--	--	--	--	--
	F8	3100.00			NCYO R NR FORT BRAGG						F13R0						
10/25/84	5050	11.5C	10.1	7.3			--	--	--	0.5 R	--	--	--	--	--	--	--
0825	5050	175			--		--	--	--	--	--	--	--	--	--	--	--
04/17/85	5050	12.5C	10.8	7.2			--	--	--	1.2 R	--	--	--	--	--	--	--
1755	5050				--		--	--	--	1 5	1	--	--	--	--	--	--

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TABLE C-4
NUTRIENT ANALYSES OF SURFACE WATER

Lab and Sampler Agency Code

2163	–	California Department of Water Resources for the State Water Resources Control Board
5050	–	California Department of Water Resources

Abbreviations

TIME	–	Pacific Standard Time on a 24-hour clock
GH	–	Instantaneous gage height, in feet, above an established datum
Q	–	Instantaneous discharge in cubic feet per second
TEMP	–	Water temperature at time of sampling in degrees Fahrenheit (F) or Celsius (C)
Depth	–	Depth, in feet, when measurement was taken
F EC	–	Field determination of electrical conductance in microsiemens at 25°C
F PH	–	Field determination of acidity or alkalinity
TURB	–	Jackson turbidity units measured with a Hach nephelometer, (A); if in the field, (F)
F-C02	–	Field determination of carbon dioxide in milligrams per liter
P ALK	–	Field determination of alkalinity (Phenol)
T ALK	–	Field determination of alkalinity (Total)

(Nitrogen Series as N)

D N02+N03	–	Dissolved nitrite and nitrate
D N02	–	Dissolved nitrite
D NO3	–	Dissolved nitrate
D ORG N	–	Dissolved organic nitrogen
T ORG N	–	Total organic nitrogen
D NH 3	–	Dissolved ammonia
T NH 3	–	Total ammonia
T (NH3+ORG N)	–	Total ammonia plus organic nitrogen

(Phosphorus Series as P)

DIS.A.H.P04	–	Dissolved acid hydrolyzable phosphate
D O-P04	–	Dissolved orthophosphate
T O-P04	–	Total orthophosphate
D TOT P	–	Dissolved total phosphorus
T TOT P	–	Total phosphorus

TABLE C-4

NUTRIENT ANALYSES OF SURFACE WATER

DATE TIME	SAMP LAB	G.H. Q	TEMP DEPTH	F EC F PH	TURB F CO2	FIELD P ALK T ALK	CONSTITUENTS IN MILLIGRAMS PER LITER D NO2 + NO3	D NO2 D NO3	D ORG N T ORG N	D NH3 T NH3	T NH3 + ORG N	DIS A.M.PO4	D O-PO4 T O-PO4	D TOT P T TOT P	REM
	00	1180.01		SAN LORENZO R A PARIDISE PK					TC5A0						
10/29/84	5050		13.0C	413		0.21	--	--	--			--	--	--	
1030	5050	25 E		7.0			--	--	--	--			--	0.15	
03/11/85	5050		10.5C	246		0.25	--	--	--			--	0.07	--	
1230	5050	200 E		7.6			--	--	--	--			--	0.19	
08/20/85	5050		19.0C	369		0.10	--	--	--			--	--	--	
1117	5050			8.4			--	--	--	--			--	0.16	
09/09/85	5050		18.0C	388		0.16	--	--	--			--	0.12	--	
1235	5050	10 E		8.4			--	--	--	--			--	0.20	
	00	1200.00		SAN LORENZO R A BIG TREES					T05A0						
03/11/85	5050	4.27	11.0C	270		0.25	--	--	--			--	0.06	--	
1315	5050			7.8			--	--	--	--			--	0.19	
09/09/85	5050	2.52	18.0C	395		0.25	--	--	--			--	0.14	--	
1300	5050			7.9			--	--	--	--			--	0.20	
	00	1800.00		SAN LORENZO R NR BOULDER C					E05C0						
03/11/85	5050	2.55	10.0C	361		0.03	--	--	--			--	0.07	--	
1400	5050			8.0			--	--	--	--			--	0.10	
09/09/85	5050	2.30	15.0C	529		0.00	--	--	--			--	0.10	--	
1345	5050			8.4			--	--	--	--			--	0.17	
	00	3100.00		SCOUEL C A SOQUEL					T04A3						
03/11/85	5050	2.56	12.0C	462		8.6	--	--	--			--	0.06	--	
1500	5050			8.0			--	--	--	--			--	0.25	
09/09/85	5050	1.58	19.0C	924		0.02	--	--	--			--	0.11	--	
1245	5050			8.4			--	--	--	--			--	0.17	
	01	2450.00		SAN BENITO R NR WILLOW C SCHOOL					T05E0						
10/30/84	5050	4.31	14.0C	1512		0.07	--	--	--			--	--	--	
0930	5050	5 E		8.4			--	--	--	--			--	0.01	
03/11/85	5050		13.0C	1406		0.02	--	--	--			--	0.01	--	
1145	5050	10 E		8.2			--	--	--	--			--	0.05	
08/20/85	5050	4.01	19.0C	1680		0.01	--	--	--			--	--	--	
0912	5050			8.2			--	--	--	--			--	0.01	
09/09/85	5050		18.0C	1852		0.00	--	--	--			--	0.00	--	
1055	5050	1 E		8.4			--	--	--	--			--	0.01	
	02	1110.50		SALINAS R A TWIN BRIDGES					T09A0						
03/12/85	5050		13.0C	2064		0.24	--	--	--			--	0.07	--	
0830	5050	500 E		8.2			--	--	--	--			--	0.54	
	02	1150.30		SALINAS R A BLANCO RD					T09A0						
03/12/85	5050		12.0E	1584		2.0	--	--	--			--	2.0	--	
0930	5050	25 E		7.6			--	--	--	--			--	2.4	
09/09/85	5050		23.0C	1924		0.00	--	--	--			--	1.3	--	
1530	5050	3 E		7.8			--	--	--	--			--	3.0	
	02	1160.20		SALINAS R A DAVIS RD					T09A0						
03/12/85	5050		12.5C	1468		1.4	--	--	--			--	4.4	--	
0945	5050	10 E		7.4			--	--	--	--			--	5.6	
	02	1220.00		SALINAS R NR SPRECKELS					T09A0						
03/12/85	5050		15.0C	1046		0.87	--	--	--			--	4.8	--	
1015	5050	5 E		7.4			--	--	--	--			--	6.3	
	02	1325.10		SALINAS R NR GONZALES					T09A0						
03/12/85	5050		13.5C	1052		6.2	--	--	--			--	0.00	--	
1430	5050	40 E		8.4			--	--	--	--			--	0.01	
09/10/85	5050		22.0C	445		0.00	--	--	--			--	0.01	--	
1345	5050	50 E		8.4			--	--	--	--			--	0.05	
	02	1450.00		ARROYO SECO R NR SOLEDAD					T09F0						
03/12/85	5050	2.36	10.5C	284		0.01	--	--	--			--	0.01	--	
1330	5050			8.4			--	--	--	--			--	0.01	
09/10/85	5050	1.20	20.5C	970		0.04	--	--	--			--	0.01	--	
1300	5050			8.1			--	--	--	--			--	0.01	
	03	1450.00		SALINAS R A PASO ROBLES					T09H1						
03/13/85	5050		18.0C	741		0.30	--	--	--			--	0.02	--	
1215	5050	75 E		8.4			--	--	--	--			--	0.06	
	03	1675.00		SALINAS R AR PILITAS C SANTA MARG					T09H1						
03/13/85	5050		17.0C	614		0.01	--	--	--			--	0.01	--	
1315	5050	2 E		8.2			--	--	--	--			--	0.04	
09/11/85	5050		19.0C	526		0.00	--	--	--			--	0.00	--	
0930	5050	1 E		7.7			--	--	--	--			--	0.02	

TABLE C-4 (CONTINUED)

NUTRIENT ANALYSES OF SURFACE WATER

DATE TIME	SAMP LAB	G.H. Q	TEMP DEPTH	F EC F PH	TURB F CO2	FIELD P ALK T ALK	CONSTITUENTS IN MILLIGRAMS PER LITER D NO2 + NO3	D NO2 D NO3	D ORG N T ORG N	O NH3 T NH3	T NH3 + ORG N	DIS A.H.PO4	D O-PO4 T O-PO4	D TOT P T TOT P	REM
	D3	1800.00		SALINAS R N POZO						TC9H1					
03/13/85 1400	5050 5050	5 E	18.5C	531 8.4			0.18	-- --	-- --	-- --	--	--	0.01 --	-- 0.03	
	D3	2098.30		SAN ANTONIO R BL SAN ANTONIO DM						TC9H1					
10/30/84 1130	5050 5050	30 E	17.0C	404 8.0			0.29	-- --	-- --	-- --	--	--	-- --	-- 0.30	
03/13/85 1130	5050 5050	10 E	15.0C	676 7.4			0.04	-- --	-- --	-- --	--	--	0.10 --	-- 0.17	
08/21/85 0933	5050 5050	15.0	14.0C	355 8.2			0.15	-- --	-- --	-- --	--	--	-- --	-- 0.19	
09/11/85 0730	5050 5050	100 E	12.0C	449 7.6			0.14	-- --	-- --	-- --	--	--	0.18 --	-- 0.22	
	D3	2215.00		SAN ANTONIO R NR LOCKWOOD						TC9H1					
03/13/85 0815	5050 5050	125 E	10.5C	395 7.8			0.03	-- --	-- --	-- --	--	--	0.03 --	-- 0.05	
	D3	3225.50		NACIMIENTO R NR JOLON						TC9H1					
03/13/85 0945	5050 5050	25 E	8.5C	276 7.8			0.01	-- --	-- --	-- --	--	--	0.00 --	-- 0.00	
	D3	3450.00		NACIMIENTO R BL NAC DM NR BRADLEY						TC9H1					
10/30/84 1200	5050 5050	50 E	17.0C	345 7.4			0.02	-- --	-- --	-- --	--	--	-- --	-- 0.05	
03/13/85 1100	5050 5050	25 E	11.0C	348 8.2			0.10	-- --	-- --	-- --	--	--	0.01 --	-- 0.02	
08/21/85 1021	5050 5050	100	22.0C	281 7.2			0.00	-- --	-- --	-- --	--	--	-- --	-- 0.04	
09/11/85 0800	5050 5050	300 E	20.0C	402 8.0			0.00	-- --	-- --	-- --	--	--	0.01 --	-- 0.05	
	D4	1010.50		CARMEL R A HWY 1						T0700					
03/12/85 1100	5050 5050	600 E	11.0C	344 7.6			0.04	-- --	-- --	-- --	--	--	0.02 --	-- 0.05	
	D4	1214.90		CARMEL R BL SAN CLEMENTE DAM						T0700					
03/12/85 1200	5050 5050	1.30 100 E	10.0C	236 8.0			0.01	-- --	-- --	-- --	--	--	0.01 --	-- 0.02	
09/10/85 1130	5050 5050	4.18 10 E	20.0C	348 7.8			0.02	-- --	-- --	-- --	--	--	0.00 --	-- 0.02	
	D4	2100.00		BIG SUR R NR BIG SUR						TC800					
10/29/84 1330	5050 5050	3.39 15 E	11.0C	310 8.0			0.02	-- --	-- --	-- --	--	--	-- --	-- 0.00	
04/10/85 1315	5050 5050	2.98 50 E	12.5C	234 7.1			0.01	-- --	-- --	-- --	--	--	0.00 --	-- 0.00	
09/10/85 1000	5050 5050	3.60 20 E	16.0C	316 8.3			0.00	-- --	-- --	-- --	--	--	0.00 --	-- 0.00	
	D4	3610.20		LITTLE SUR R A HWY 1						T0800					
10/29/84 1430	5050 5050	5 E	13.0C	364 8.4			0.03	-- --	-- --	-- --	--	--	-- --	-- 0.01	
04/10/85 1420	5050 5050	40 E	13.0C	245 8.0			0.01	-- --	-- --	-- --	--	--	0.00 --	-- 0.00	
09/10/85 0900	5050 5050	10 E	16.0C	398 8.1			0.00	-- --	-- --	-- --	--	--	0.00 --	-- 0.02	
	E2 E	813.7	236.7	PETALUMA R BL HWY 101 A RR BR						EC6C0					
04/23/85 1300	2163 5050		63 F	7412 8.0			1.2	-- --	-- --	-- --	--	--	0.97 --	-- --	
	E6	5271.10		GUADALUPE R A W SAN CARLOS ST						EC5C0					
04/30/85 1215	2163 5050	40 E	62 F	664 8.2			3.2	-- --	-- --	-- --	--	--	0.00 --	-- --	
	F8	0007.00		GARCIA R A WINDY HALLOW RD						F13F4					
04/04/85 1010	5050 5050	70 E	13.0C	160 7.3			0.05	-- --	-- --	-- --	0.2	--	0.02 --	-- 0.04	
	F8	0630.00		ALBION R NR ALBION						F13D0					
04/03/85 1600	5050 5050		54.0F	160 7.3	4AF		0.06	-- --	-- --	-- --	0.1	--	0.01 --	-- 0.02	
	F8	1100.00		GUALALA R SF NP ANNAPOLIS						F13H5					
10/18/84 1030	2163 5050	25 E	54 F	268 7.6			0.04	-- --	-- --	-- --	--	--	0.02 --	-- --	
08/27/85 1045	2163 5050	3 E	19.0C	272 7.3			0.02	-- --	-- --	-- --	--	--	0.01 --	-- --	

TABLE C-4 (CONTINUED)

NUTRIENT ANALYSES OF SURFACE WATER

DATE TIME	SAMP LAB	G.H. Q	TEMP DEPTH	FIELD F EC F PH	TURB F CO2	P ALK T ALK	CONSTITUENTS IN MILLIGRAMS PER LITER D NO2 + NO3	D NO2 D NO3	D ORG N T ORG N	D NH3 T NH3	T NH3 + ORG N	DIS A.H.PO4	D O-PO4 T O-PO4	D TOT P T TOT P	PEM
	F8	2100.00		NAVARRO R NR NAVARRO								F13E0			
10/25/84 1015	5050 5050	1.75 20	13.5C	271 7.4	2AF	0.00	-- --	-- --	-- --	-- --	--	--	0.01 --	-- --	
04/18/85 0835	5050 5050	2.65 126	12.5C	229 7.4	2A	0.01	-- --	-- --	-- --	-- 0.0	--	--	0.01 --	-- 0.02	
	F8	2720.00		BIG R NR MENDOCINO								F13C0			
10/25/84 0915	5050 5050	9 E	12.0C	221 7.5	1AF	0.00	-- --	-- --	-- --	-- --	--	--	0.01 --	-- --	
04/17/85 1850	5050 5050	30 E	12.5C	180 7.2	1A	0.03	-- --	-- --	-- --	-- 0.0	--	--	0.00 --	-- 0.03	
	F8	3100.00		NOYO R NR FORT BRAGG								F13B0			
10/25/84 0825	5050 5050	12	11.5C	175 7.3	2AF	0.00	-- --	-- --	-- --	-- --	--	--	0.01 --	-- --	
04/17/85 1755	5050 5050	76	12.5C	139 7.2	1A	0.01	-- --	-- --	-- --	-- 0.0	--	--	0.02 --	-- 0.02	
	F9	1648.25		BIG SULPHUR C AB SQUAW C								F14A6			
10/03/84 0830	5050 5050		15.0C	719 7.9	1AF	--	0.05 B.0	-- --	-- --	0.1	--	--	0.01 --	-- 0.02	
11/07/84 1030	5050 5050		11.0C	375 8.1	14AF	--	0.10 2.0	-- --	-- --	0.3	--	--	0.00 --	-- 0.01	
12/05/84 1100	5050 5050		11.0C	283 8.1	7AF	0.81	-- --	-- --	0.63 --	--	--	--	0.00 --	-- 0.02	
01/08/85 0915	5050 5050		8.0C	365 7.9	13AF	--	-- 1.8	-- --	-- --	0.4	--	--	0.00 --	-- 0.02	
02/05/85 0915	5050 5050		5.0C	420 7.9	1AF	--	-- 1.0	-- --	-- --	0.7	--	--	0.01 --	-- 0.01	
03/08/85 0935	5050 5050		7.0C	325 8.0	6AF	--	-- 0.88	-- --	-- --	0.6	--	--	0.00 --	-- 0.01	
04/02/85 0915	5050 5050		13.0C 0	291 8.2	2AF	--	-- 0.65	-- --	-- --	0.6	--	--	0.00 --	-- 0.02	
05/08/85 0900	5050 5050		13.5C	420 8.2	1AF	--	0.08 2.2	-- --	-- --	0.2	--	--	0.00 --	-- 0.01	
06/05/85 0800	5050 5050		17.5C	475 8.2	1AF	--	-- 3.4	-- --	-- --	0.6	--	--	0.00 --	-- 0.02	
07/10/85 1130	5050 5050		26.0C	610 8.1	2AF	--	-- 5.6	-- --	-- --	1.3	--	--	0.01 --	-- 0.03	
08/07/85 0800	5050 5050		18.5C	655 8.0	1AF	--	-- 5.8	-- --	-- --	0.5	--	--	0.00 --	-- 0.01	
09/04/85 1330	5050 5050		21.0C	670 8.3	1AF	--	-- 6.0	-- --	-- --	0.4	--	--	0.00 --	-- 0.02	
	F9	1650.60		BIG SULPHUR C AB EAGLE ROCK								F14A6			
10/03/84 1215	5050 5050		17.5C	611 7.7	1AF	--	0.31 5.6	-- --	-- --	2.6	--	--	0.01 --	-- 0.05	
11/07/84 0930	5050 5050		11.5C	355 7.9	22AF	--	0.08 1.0	-- --	-- --	1.2	--	--	0.01 --	-- 0.04	
12/05/84 1020	5050 5050		11.0C	257 7.7	5AF	0.55	-- --	-- --	0.58 --	0.8	--	--	0.02 --	-- 0.02	
01/08/85 1400	5050 5050		10.0C	315 8.0	5AF	--	-- 0.86	-- --	-- --	1.1	--	--	0.01 --	-- 0.02	
02/05/85 1110	5050 5050		8.0C	378 7.9	2AF	--	-- 0.92	-- --	-- --	0.8	--	--	0.01 --	-- 0.01	
03/08/85 1040	5050 5050		9.0C	300 8.1	10AF	--	-- 0.56	-- --	-- --	0.9	--	--	0.00 --	-- 0.02	
04/02/85 1530	5050 5050		17.0C	260 8.0	2AF	--	-- 0.32	-- --	-- --	0.4	--	--	0.00 --	-- 0.01	
05/08/85 1015	5050 5050		15.5C	380 8.2	2AF	--	0.06 0.89	-- --	-- --	1.0	--	--	0.00 --	-- 0.01	
06/05/85 0915	5050 5050		18.5C	430 8.2	1AF	--	-- 1.5	-- --	-- --	1.4	--	--	0.00 --	-- 0.02	
07/11/85 1320	5050 5050		27.0C	540 8.1	1AF	--	-- 3.6	-- --	-- --	1.5	--	--	0.01 --	-- 0.02	
08/07/85 0930	5050 5050		21.5C	602 7.9	1AF	--	-- 2.4	-- --	-- --	0.9	--	--	0.00 --	-- 0.02	
09/04/85 1145	5050 5050		21.0C	610 8.0	1AF	--	-- 3.7	-- --	-- --	1.7	--	--	0.00 --	-- 0.03	
	F9	1656.50		SULPHUR C,BIG,A GEYSERS RESORT								F14A6			
10/03/84 1015	5050 5050		17.5C	600 7.7	1AF	--	0.32 3.2	-- --	-- --	1.1	--	--	0.01 --	-- 0.06	
11/07/84 0945	5050 5050		12.0C	310 8.0	16AF	--	0.04 0.48	-- --	-- --	0.8	--	--	0.01 --	-- 0.02	
12/05/84 1130	5050 5050		11.5C	230 7.9	5AF	0.29	-- --	-- --	0.26 --	0.3	--	--	0.00 --	-- 0.02	
01/08/85 1200	5050 5050		10.0C	295 8.0	5AF	--	-- 0.41	-- --	-- --	0.6	--	--	0.01 --	-- 0.02	

TABLE C-4 (CONTINUED)

NUTRIENT ANALYSES OF SURFACE WATER

DATE TIME	SAMP LAB	G.H. O	TEMP DEPTH	F EC F PH	TURB F CO2	FIELD P ALK T ALK	D NO2 + NO3	D NO2 D NO3	CONSTITUENTS IN MILLIGRAMS PER LITER D ORG N T ORG N	D NH3 T NH3	T NH3 + ORG N	DIS A.H.PO4	D O-PO4 T O-PO4	D TOT P T TOT P	REM
	FD 1656.50			SULPHUR C,AIR,A GEYSERS RESORT							F1486 CONTINUED				
02/05/85	5050		7.5C	340	2AF		--	--	--	--		--	0.01	--	
0945	5050			8.0				0.50	--	--	0.8		--	0.01	
03/08/85	5050		8.5C	275	6AF		--	--	--	--		--	0.00	--	
1010	5050			7.8				0.34	--	--	0.4		--	0.01	
04/02/85	5050		16.0C	225	1AF		--	--	--	--		--	0.00	--	
1350	5050			8.0				0.20	--	--	0.2		--	0.01	
05/08/85	5050		13.0C	360	1AF		--	0.04	--	--		--	0.00	--	
0920	5050			8.2				0.51	--	--	0.4		--	0.01	
06/05/85	5050		18.0C	400	1AF		--	--	--	--		--	0.00	--	
0830	5050			8.1				0.82	--	--	0.8		--	0.02	
07/10/85	5050		28.0C	505	2AF		--	--	--	--		--	0.02	--	
1230	5050			8.1				1.8	--	--	1.2		--	0.03	
08/07/85	5050		21.0C	570	1AF		--	--	--	--		--	0.00	--	
0830	5050			8.0				3.7	--	--	2.1		--	0.02	
09/04/85	5050		25.0C	570	1AF		--	--	--	--		--	0.01	--	
1245	5050			8.2				2.8	--	--	0.9		--	0.04	

APPENDIX D

GROUND WATER MEASUREMENTS

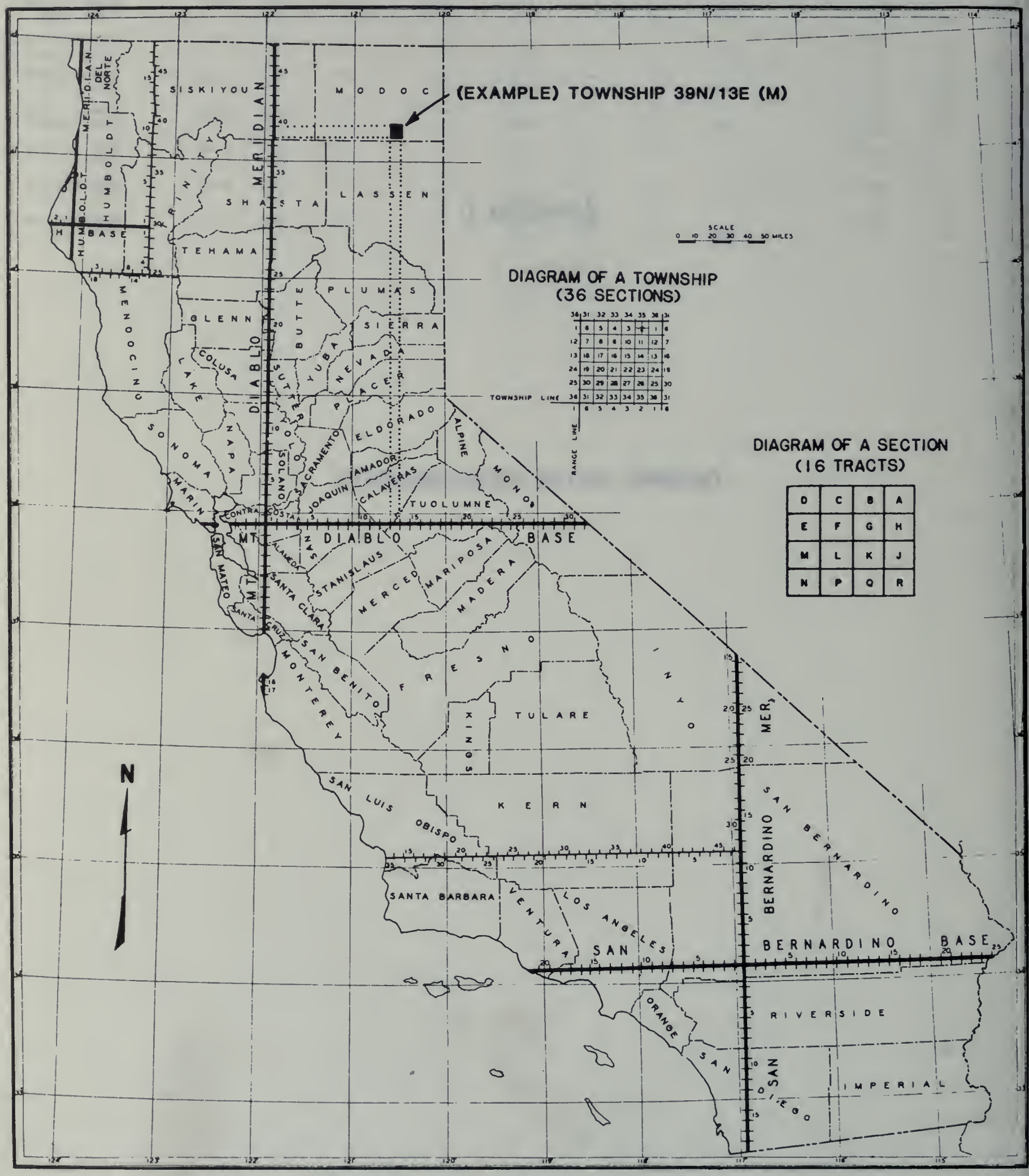


Figure 5. TOWNSHIP AND RANGE SYSTEM OF CALIFORNIA

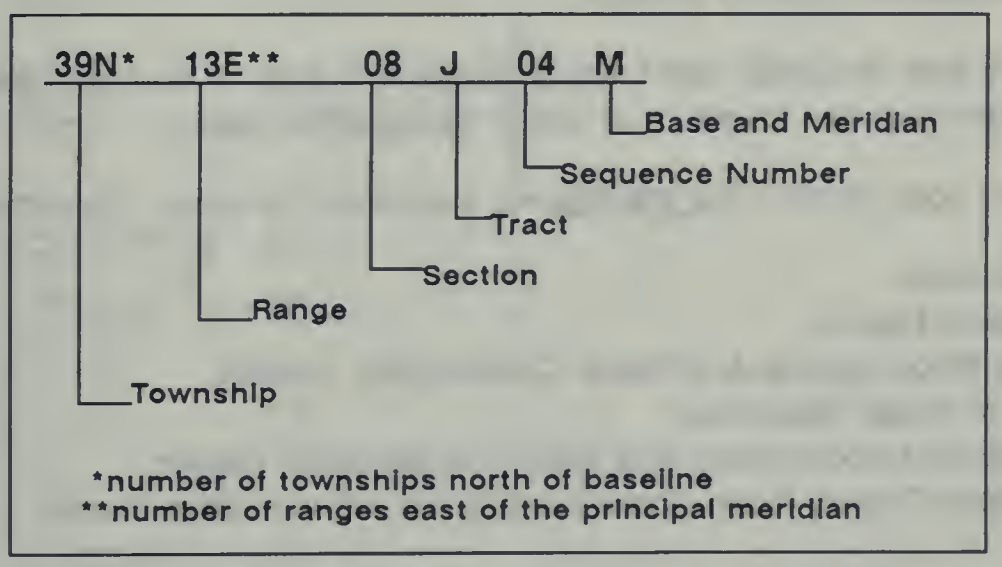
APPENDIX D
GROUND WATER MEASUREMENTS

Appendix "D" presents depth to water measurements (ground to water) and water surface elevations for selected wells in the Central Coastal Area from October 1, 1984 to September 30, 1985.

The location of a well can be approximated by the well number. The numbering system for wells is based on a rectangular system called the United States System of Surveying the Public Lands, commonly referred to as the Public Lands Survey. This system ties all tracts of land to an initial point and identifies each as being in a particular township. A township is a square parcel of land six miles on each side. Its location is established as being so many six-mile units east or west of a north-south line (*principal meridian*) through the initial point and so many six-mile units north or south of an east-west line (*baseline*) through the point. The meridianal (longitudinal) lines parallel to—and east or west of—the principal meridian are called *range lines*. Latitudinal lines parallel —and north or south of—the baseline are known as *township lines*. Each township is described with respect to the initial point by its distance and direction from that point i.e., north or south and east or west in numbers of six-mile units.

Figure 5 presents the township and range system for California, and shows the three bases and meridians: i.e., the Humboldt (H), Mount Diablo (M) and San Bernardino (S). The figure also numbers the townships and ranges along the principal meridians and baselines, and shows the location of, for example, township 39N/13E M. The location of any township in the State can be found by extending the township and range lines as shown.

Every township is further divided into 36 equal parts called sections. A diagram of a typical township with the sections numbered from 1 to 36 is shown on Figure 5. The well numbering system is an extension of the public land survey system and involves dividing each section of land into sixteen 40-acre tracts with each tract given a letter (A through R) to identify it (Figure 5.) Sequence numbers in a tract are assigned in chronological order. A typical well number consists of 12 characters expressed as follows:



In the above example, this is the fourth well to be assigned a number in Tract J, Section 8 of the designated township.

Ground water measurement stations are listed in the tables by ascending areal code. The areal code is explained on page 2. Individual areal code numbers appear to the left of the areal names, and the

data listed thereunder are in that areal code boundary. The number of ground water stations precludes plotting each individual well on maps in this publication. Instead, Figure 6 shows the locations of the ground water basins in which measurements were taken..

To facilitate station location,the cross reference on the following page relates the hydrologic areas to the ground water basins shown on Figure 6 and lists the respective areal code. The location and definition of any hydrologic area may be determined by entering Figure 2 (page 4) with the respective areal code. The cross reference also lists the page numbers for the tabulated data.

The dates shown in Table D are the dates when the depfh measurements were made.

Some of the measurements in the "ground to water" column may be followed by a single digit in parenthesis, which indicates a questionable measurement. The meaning of these codes is as follows:

(0) Caved or deepened
(1) Pumping
(2) Nearby pump operating
(3) Casing leaking or wet
(4) Pumped recently
(5) Air or pressure gage measurement
(6) Other
(7) Recharge operation at or near well
(8) Oil in casing
(9) Acoustic sounder

When the letters "NM" followed by a digit in parenthesis appears in the column, it means a measurement was attempted but could not be obtained. The reason for no measurement is described by the digit listed below:

(0) Measurement Discontinued
(1) Pumping
(2) Pump house locked
(3) Tape hung up
(4) Cannot get tape in casing
(5) Unable to locate well
(6) Well has been destroyed
(7) Special
(8) Casing leaking or wet
(9) Temporarily inaccessible

The words "FLOW" and "DRY" also appear in this column to indicate a flowing or dry well, respectively. When a minus sign precedes the value, it indicates that the static water level in a flowing well is that distance in feet above the ground surface.

Elevations are given in feet at USGS mean sea level datum. Ground surface elevations are usually obtained by interpolation between contours of USGS topographic maps.

The final column is the code number for the agency supplying the data. Contributing agencies are:

1474 - San Benito County
2684 - Solano Irrigation District
3983 - Napa County Flood Control and Water Conservation District
5050 - Department of Water Resources
5115 - Monterey County Flood Control and Water Conservation District
5117 - San Luis Obispo County Flood Control and Water Conservation District

APPENDIX D CROSS REFERENCE
GROUND WATER BASIN—AREAL CODE

Ground Water Basin No.	Name	Hydrologic Area*		Areal** Code	Data on page
		SAN FRANCISCO BAY	HB		
		SAN MATEO	HU		
		San Mateo Coastal	HA		
2-36	San Pedro Valley	Pacifica	HSA	E02.B1	55
2-22	Half Moon Bay Terrace	Half Moon Bay	HSA	E02.B2	55
2-24	San Gregorio Valley	San Gregorio Cr	HA	E02.C	55
	Undefined	Pescadero Creek	HA	E02.D	55
		SAN PABLO	HU		
2-28	Ross Valley	Novato	HA	E06.B	55
2-29	San Rafael Valley				
2-30	Novato Valley				
2-1	Petaluma Valley	Petaluma River	HA	E06.C	55
2-18.01	Santa Rosa Plain				
2-30	Novato Valley				
2-2.02	Sonoma Valley	Sonoma Cr	HA	E06.DB	56
2-19	Kenwood Valley				
2-2	Napa-Sonoma Valley	Napa River	HA	E06.E	56
2-2.01	Napa Valley				
2-23	Napa-Sonoma Volcanics Highlands				
		SUISUN	HU		
2-3	Suisun-Fairfield Valley	Fairfield	HA		
2-23	Napa-Sonoma Volcanics Highlands				
2-3	Suisun-Fairfield Valley	Benicia	HSA	E07.B1	57
2-23	Napa-Sonoma Volcanics Highlands				
2-23	Napa-Sonoma Volcanics Highlands	Suisun Cr	HSA	E07.B2	57
2-3	Suisun-Fairfield Valley	Suisun Slu	HSA	E07.B3	57
		Grizzley Island	HSA	E07.B4	58
		Concord	HA		
2-4	Pittsburg Plain	Pittsburg	HSA	E07.C1	58
2-5	Clayton Valley				
2-6	Ygnacio Valley	Martinez	HSA	E07.C3	58
2-31	Arroyo del Hambre Valley				
		RUSSIAN RIVER	HU		
		Lower Russian River	HA		
2-18.02	Healdsburg Area	Guerneville	HSA	F14.A1	59
2-20	Lower Russian R. Valley				
		Middle Russian R.	HA		
2-18.01	Santa Rosa Plain	Laguna	HSA	F14.B1	59
2-25	Sebastopol Merced Formation Highlands				
2-18.03	Rincon Valley	Santa Rosa	HSA	F14-B2	59
2-18	Santa Rosa Valley	Mark West	HSA	F14.B3	60
2-17	Alexander Valley	Geyserville	HSA	F14.B3	60
2-17.01	Alexander Area				
2-17.02	Cloverdale Area				
		Upper Russian River	HA		
2-15	Ukiah Valley	Ukiah	HSA	F14.C1	60
2-16	Sanel Valley				
2-14	Potter Valley	Coyote Valley	HSA	F14-C2	60
2-15	Ukiah Valley	Forsythe Cr	HSA	F14.C3	60
		CENTRAL COAST	HB		
		PAJARO RIVER	HU		
3-3	Gilroy-Hollister Valley	Santa Cruz Mts.	HA	T05.B	61
3-3	Gilroy-Hollister Valley	South Santa Clara Valley	HA	T05.C	61
3-22	Santa Ana Valley	Pacheco-Santa Ana Cr	HA	T05.D	61
3-23	Upper Santa Ana Valley				
3-24	Quien Sabe Valley				
3-30	Gilroy-Hollister Valley	San Benito River	HA	T05.E	61
3-25	Tres Pinos Creek Valley				
3-28	San Benito River Valley				
3-29	Dry Lake Valley				
3-30	Bitter Water Valley				
3-4.09	Langley Area	BOLSA NUEVA	HU	T06	62
3-7	Carmel Valley	CARMEL RIVER	HU	T07	62
		SALINAS	HU		
3-4	Salinas Valley	Lower Salinas Valley	HA	T09.A	63
3-4	Salinas Valley	Chular	HA	T09.B	64
3-4	Salinas Valley	Soledad	HA	T09.C	64
3-4	Salinas Valley	Upper Salinas Valley	HA	T09.D	65
		Paso Robles	HA		
3-6	Lockwood Valley	Atascadero	HSA	T09.H1	65
	Undefined	Nacimiento Res	HSA	T09.H2	66
	Undefined	Pozo	HA	T09.J	67
3-4.06	Paso Robles Basin	Estrella	HA	T09.K	67

*See page 2.
**See figure 2.

Figure 6 LOCATION OF GROUND WATER BASINS - MEASUREMENT

Figure 6 LOCATION OF GROUND WATER BASINS - MEASUREMENT

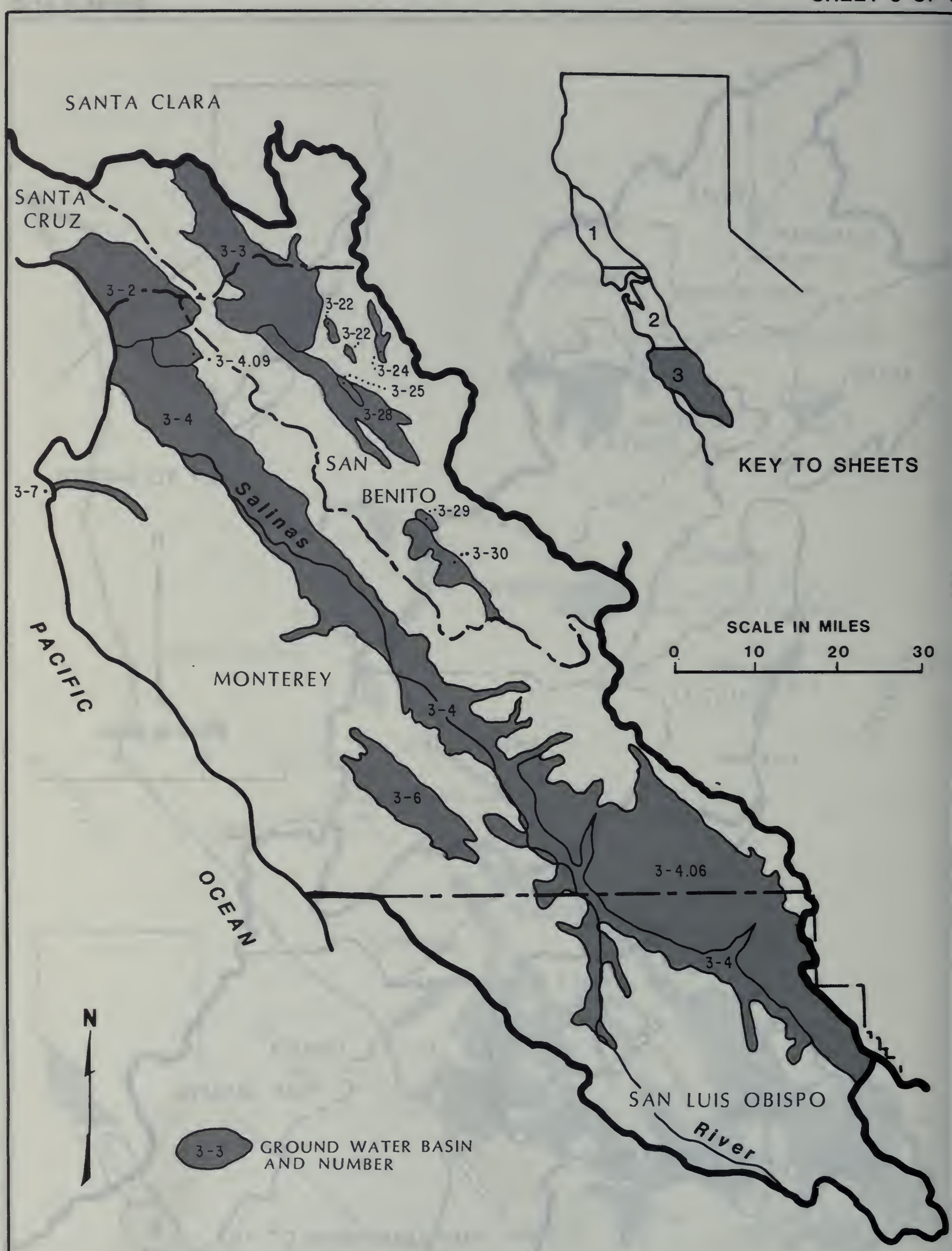


Figure 6 LOCATION OF GROUND WATER BASINS - MEASUREMENT

TABLE D

WDIS GROUND WATER LEVELS AT WELLS

STATE WELL NUMBER	CO	GROUND SURFACE ELEVATION	DATE	GROUND TO WATER	WATER SURFACE ELEV.	AGENCY
E		SAN FRANCISCO BAY HB				
E-02		SAN MATEO HU				
E-02.8		SAN MATEO COASTAL HA				
E-02.81		PACIFICA HSA				
05S/05W-19H01	M	70.0	10/10/84	44.7	25.3	5050
			03/19/85	40.9	29.1	
05S/05W-19J02	M	50.0	10/10/84	23.6	26.4	5050
			03/19/85	19.8	30.2	
05S/05W-20E01	M	90.0	10/10/84	51.6	38.4	5050
			03/19/85	47.4	42.6	
05S/06W-10J01	M	35.0	10/10/84	16.0	19.0	5050
			03/19/85	6.9	28.1	
E-02.82		HALF MOON BAY HSA				
05S/05W-29F04	M	50.0	10/10/84	21.9	28.1	5050
			03/19/85	11.9	38.1	
05S/05W-29N01	M	46.5	10/10/84	45.8(2)	.7	5050
			03/19/85	30.1	16.4	
05S/05W-29R01	M	65.0	10/10/84	29.2	35.8	5050
			03/19/85	19.7	45.3	
05S/05W-32K01	M	90.2	10/10/84	27.6	62.6	5050
			03/19/85	24.6	65.6	
E-02.C		SAN GREGORIO CREEK HA				
07S/05W-14C01	M	80.0	10/10/84	12.9	67.1	5050
			03/19/85	NM-9		
07S/05W-15C01	M	80.0	10/10/84	19.1	60.9	5050
			03/19/85	15.3	64.7	
07S/05W-15E01	M		10/10/84	NM-6		5050
07S/05W-15E02	M	32.5	10/10/84	18.1	14.4	5050
			03/19/85	17.1	15.4	
E-02.D		PESCADERO CREEK HA				
08S/05W-09H01	M	20.0	10/10/84	3.7	16.3	5050
			03/19/85	3.2	16.8	
08S/05W-10F01	M	25.0	10/10/84	13.4	11.6	5050
			03/19/85	11.8	13.2	
08S/05W-10H01	M	40.0	10/10/84	8.6	31.4	5050
			03/19/85	1.2	38.8	
08S/05W-10K01	M	37.0	10/10/84	18.1	18.9	5050
			03/19/85	13.2	23.8	
08S/05W-11M01	M	45.0	10/10/84	15.3	29.7	5050
			03/19/85	14.3	30.7	
E		SAN FRANCISCO BAY HB				
E-06		SAN PABLO HU				
E-06.8		NOVATO HA				
03N/06W-16H01	M	10.0	10/25/84	5.2(1)	4.8	5050
			04/03/85	2.8	7.2	
03N/06W-18M01	M	20.0	10/25/84	6.6	13.4	5050
			04/03/85	6.4	13.6	
E-06.C		PETALUMA RIVER HA				
03N/05W-01Q01	M		10/25/84	FLOW		5050
			04/03/85	FLOW		
03N/06W-05A01	M	-.8	10/25/84	-.6	-.2	5050
			04/03/85	-.9	.1	
03N/06W-11L01	M	1.0	10/25/84	2.4	-1.4	5050
			04/03/85	2.6	-1.6	
04N/06W-07A01	M		10/25/84	NM-9		5050
		40.0	11/28/84	59.1	-19.1	
			03/22/85	71.7	-31.7	
04N/06W-17G01	M	10.0	10/25/84	8.3	1.7	5050
			02/21/85	4.3	5.7	
			03/14/85	4.1	5.9	
			04/25/85	5.0	5.0	
			05/22/85	5.5	4.5	
			06/25/85	7.0	3.0	
			07/31/85	7.5	2.5	
			08/29/85	8.5	1.5	
			09/18/85	8.7	1.3	
04N/06W-21A01	M	155.0	10/25/84	45.7	109.3	5050
			04/03/85	45.5	109.5	
04N/06W-27A01	M	50.0	10/25/84	11.8	38.2	5050
			04/03/85	10.0	40.0	
04N/06W-36N01	M	18.0	10/25/84	17.6	.4	5050
			04/03/85	15.2	2.8	
05N/07W-07A01	M	65.0	10/17/84	12.5	52.5	5050
			03/27/85	10.2	54.8	
05N/07W-11F01	M	515.0	10/25/84	25.4	490.6	5050
			03/22/85	14.7	501.3	
05N/07W-11N01	M	258.0	10/25/84	18.1	239.9	5050
			03/22/85	14.9	243.1	
05N/07W-15K02	M	155.0	10/25/84	2.2	152.8	5050
			03/22/85	3.2	151.8	
05N/07W-15Q01	M	118.0	10/25/84	24.2	93.8	5050
			03/22/85	23.0	95.0	
05N/07W-18R01	M	79.0	10/24/84	30.7	48.3	5050
			03/22/85	31.8	47.2	
05N/07W-19N01	M	45.0	10/25/84	11.0	34.0	5050
			02/21/85	7.8	37.2	
			03/14/85	4.0	41.0	
			04/25/85	6.0	39.0	
			05/22/85	10.8	34.2	
			06/25/85	10.6	34.4	
			07/31/85	14.1	30.9	
			08/29/85	12.1	32.9	
			09/19/85	16.1	28.9	
05N/07W-20R02	M	41.0	10/24/84	42.0	-1.0	5050
			03/22/85	37.4	3.6	
05N/07W-21N01	M	65.0	10/24/84	31.2	33.8	5050
			03/22/85	26.3	38.7	
05N/07W-26R01	M	53.6	10/25/84	22.8	30.8	5050
			02/21/85	20.3	33.3	
			03/14/85	20.0	33.6	
			04/25/85	21.2	32.4	
			05/22/85	25.1	28.5	
			06/25/85	26.7	26.9	
			07/31/85	28.7	24.9	
			08/29/85	30.0	23.6	
			09/19/85	29.2	24.4	
05N/07W-28K01	M		10/24/84	NM-4		5050
			04/04/85	NM-0		
05N/07W-28M01	M	28.0	10/24/84	19.5	8.5	5050
			04/04/85	16.7	11.3	
05N/07W-30K14	M	120.0	10/24/84	50.7	69.3	5050
			04/04/85	37.7	82.3	
05N/07W-31A07	M		10/24/84	NM-4		5050
			10/25/84	NM-0		
05N/07W-31P03	M	180.0	10/24/84	15.0	165.0	5050
			04/04/85	11.6	168.4	
05N/07W-31P02	M	135.0	10/24/84	13.7	121.3	5050
			04/04/85	7.1	127.9	
05N/07W-33M01	M	30.0	10/24/84	50.5	-20.5	5050
			04/03/85	44.5	-14.5	
05N/07W-34L01	M	12.0	10/25/84	12.2	-.2	5050
			04/04/85	10.2	1.8	
05N/07W-35K01	M	18.8	10/25/84	15.6	3.2	5050

TABLE D (CONTINUED)

WDIS GROUND WATER LEVELS AT WELLS

STATE WELL NUMBER	CO	GROUND SURFACE ELEVATION	DATE	GROUND TO WATER	WATER SURFACE ELEV.	AGENCY
E SAN FRANCISCO BAY HB						
E-06 SAN PABLO HU						
E-06.C PETALUMA RIVER HA						
05N/07W-35K01	M	18.9	02/21/85	9.7	9.1	5050
			03/14/85	9.0	9.8	
			04/25/85	9.4	9.4	
			05/22/85	13.1	5.7	
			06/25/85	NM-6		
05N/07W-36E01	M	19.0	10/25/84	10.2	8.8	5050
			03/27/85	8.2	10.8	
05N/08W-01L02	M	280.0	10/17/84	27.1	252.9	5050
			03/27/85	25.5	254.5	
05N/08W-02H01	M	160.0	10/17/84	33.2	126.8	5050
			03/27/85	27.3	132.7	
05N/08W-13Q01	M	40.0	10/24/84	14.6	25.4	5050
			04/04/85	8.0	32.0	
05N/08W-14K02	M	170.0	10/24/84	63.9	106.1	5050
			04/04/85	62.1	107.9	
05N/08W-14P01	M	165.0	11/28/84	26.5	138.5	5050
			04/04/85	NM-9		
05N/08W-23M01	M	120.0	10/24/84	4.9	115.2	5050
			04/04/85	7.6	112.4	
05N/08W-24E01	M	46.0	10/24/84	8.6	37.4	5050
			04/04/85	FLOW		
05N/07W-31J01	M	133.0	10/19/84	18.5	114.5	5050
			03/27/85	10.2	122.8	
E-06.D SONOMA CREEK HA						
04N/05W-02R01	M	50.0	10/11/84	46.2	3.8	5050
			03/21/85	44.0	6.0	
04N/05W-02R02	M	55.0	10/11/84	10.9	44.1	5050
			03/21/85	NM-6		
04N/05W-06F01	M	27.0	10/12/84	22.3	4.7	5050
			03/20/85	19.2	7.8	
04N/05W-06M01	M	17.0	10/11/84	15.5	1.5	5050
			03/20/85	12.2	4.8	
04N/05W-28P01	M		10/11/84	FLOW		5050
			03/20/85	FLOW		
04N/06W-01K01	M	115.0	10/11/84	49.2	65.8	5050
			03/20/85	NM-9		
05N/05W-04P02	M	100.0	10/11/84	74.2	25.8	5050
			03/21/85	44.3	55.7	
05N/05W-17R02	M	88.0	10/11/84	60.9	27.1	5050
			03/21/85	42.4	45.6	
05N/05W-17C01	M	85.0	10/11/84	12.2	72.8	5050
			02/21/85	8.6	76.4	
			03/15/85	8.5	76.5	
			04/25/85	8.7	76.3	
			05/22/85	9.2	75.8	
			06/25/85	9.8	75.2	
			07/31/85	NM-1		
			08/27/85	11.8	73.2	
			09/19/85	12.1	72.9	
05N/05W-18R01	M	43.0	10/11/84	13.4	29.6	5050
			03/21/85	3.2	39.8	
05N/05W-20N01	M	11.0	10/11/84	11.4	-.4	5050
			03/20/85	NM-4		
			03/21/85	NM-0		
05N/05W-29N01	M	16.0	10/11/84	12.5	3.5	5050
			03/15/85	NM-4		
			03/16/85	NM-0		
05N/05W-30J03	M	16.0	10/11/84	11.4	4.6	5050
			02/21/85	6.2	9.8	
			03/15/85	6.7	9.3	
			04/25/85	7.6	8.4	
			05/29/85	9.2	6.8	
			06/26/85	15.3	.7	
			07/31/85	NM-1		
			08/27/85	16.0	.0	
			09/19/85	11.2	4.8	
05N/06W-02A02	M	115.0	10/11/84	13.6	101.4	5050
			03/21/85	10.5	104.5	
05N/06W-02N02	M	135.0	10/11/84	63.6	71.4	5050
			02/21/85	57.3(4)	77.7	
			03/15/85	49.6	85.4	
			04/25/85	73.2(4)	61.8	
			05/22/85	74.4(4)	60.6	
			06/25/85	80.6(4)	54.4	
			07/31/85	NM-1		
			08/27/85	84.3(4)	50.7	
			09/18/85	67.9	67.1	
05N/06W-13C01	M		10/11/84	NM-1		5050
		86.0	11/27/84	31.6	54.4	
			03/21/85	32.5(4)	53.5	
05N/06W-13G01	M	61.0	10/11/84	25.0	36.0	5050
			03/21/85	19.5	41.5	

STATE WELL NUMBER	CO	GROUND SURFACE ELEVATION	DATE	GROUND TO WATER	WATER SURFACE ELEV.	AGENCY
E SAN FRANCISCO BAY HB						
E-06 SAN PABLO HU						
E-06.D SONOMA CREEK HA						
06N/06W-09Q01	M	275.0	10/11/84	10.6	264.4	5050
			03/21/85	7.4	267.6	
06N/06W-10M02	M	320.0	10/11/84	34.2	285.8	5050
			03/21/85	13.1	306.9	
06N/06W-22R02	M	200.0	10/11/84	6.8	193.2	5050
			03/21/85	.8	199.2	
06N/06W-23M02	M	215.0	10/11/84	4.8	210.2	5050
			02/21/85	3.2	211.8	
			03/15/85	2.9	212.1	
			04/25/85	3.2	211.8	
			05/22/85	3.7	211.3	
			06/25/85	3.9	211.1	
			07/31/85	NM-1		
			08/27/85	6.6	208.4	
			09/18/85	4.6	210.4	
07N/06W-19N01	M	465.0	10/12/84	16.5	448.5	5050
			03/21/85	7.9	457.1	
07N/06W-32F02	M	399.0	10/12/84	7.8	391.2	5050
			03/21/85	2.8	396.2	
07N/06W-32H01	M	415.0	10/12/84	8.5	406.5	5050
			03/21/85	-1.5	416.5	
07N/07W-24A01	M	565.0	10/12/84	63.5	501.5	5050
			03/21/85	35.0	530.0	
07N/07W-24J01	M	490.0	10/12/84	17.3	472.7	5050
			03/21/85	7.8	482.2	
E-06.E NAPA RIVER HA						
05N/03W-05M01	M	255.0	10/19/84	111.5	143.5	3983
			05/06/85	107.5	147.5	
05N/04W-11M01	M	13.0	10/05/84	9.4	3.6	5050
			02/21/85	7.1	5.9	
			03/13/85	7.3	5.7	
			04/25/85	8.3	4.7	
			05/22/85	8.7	4.3	
			06/24/85	9.0	4.0	
			06/05/85	8.9	4.1	
			08/23/85	9.2	3.8	
			09/19/85	9.1	3.9	
05N/04W-13H01	M	132.0	10/19/84	8.0	124.0	3983
			05/06/85	5.5	126.5	
05N/04W-14C01	M	17.0	10/18/84	12.1	4.9	3983
			05/06/85	10.5	6.5	
06N/03W-31B01	M		10/19/84	NM-7		3983
			05/06/85	NM-7		
06N/04W-06L02	M	80.0	10/10/84	16.3	63.7	3983
			05/06/85	12.3	67.7	
06N/04W-17A01	M	67.0	10/05/84	22.3	44.7	5050
			03/13/85	11.9	55.1	
06N/04W-19R01	M	125.0	10/18/84	45.5(1)	79.5	3983
			05/06/85	NM-1		
06N/04W-23J01	M	87.0	10/10/84	101.0	-14.0	3983
			05/06/85	101.5	-14.5	
06N/04W-27L02	M	50.0	10/05/84	38.9	11.1	5050
			02/21/85	22.8	27.2	
			03/13/85	22.8	27.2	
			04/25/85	NM-1		
			05/22/85	28.3	21.7	
			06/24/85	32.4	17.6	
			08/05/85	54.9(4)	-4.9	
			08/23/85	37.9	12.1	
			09/18/85	37.6	12.4	
06N/04W-27N01	M	50.0	10/10/84	34.5	15.5	3983
			05/06/85	28.0	22.0	
06N/04W-35R03	M	38.0	10/10/84	42.5	-4.5	3983
			05/06/85	43.0	-5.0	
07N/05W-06J01	M	215.0	10/10/84	45.5	169.5	3983
			05/07/85	52.5	162.5	
07N/05W-09Q02	M	155.0	10/05/84	19.4	135.6	5050
			02/21/85	10.5	144.5	
			03/13/85	11.0	144.0	
			04/25/85	11.6	143.4	
			05/22/85	12.5	142.5	
			06/24/85	16.5	138.5	
			09/05/85	17.1	137.9	
			08/23/85	17.6	137.4	
			09/18/85	18.7	136.3	
07N/05W-14R02	M	139.0	10/19/84	34.0(6)	105.0	3983
			05/07/85	10.5	128.5	
07N/05W-15A01	M	143.0	10/10/84	18.0	125.0	3983
			05/07/85	NM-4		
07N/05W-15E01	M	141.0	10/10/84	20.5	120.5	3983
			05/07/85	NM-4		
07N/05W-15L01	M	171.0	10/10/84	34.2	136.8	3983

TABLE D (CONTINUED)

WDIS GROUND WATER LEVELS AT WELLS

STATE WELL NUMBER	CO	GROUND SURFACE ELEVATION	DATE	GROUND TO WATER	WATER SURFACE ELEV.	AGENCY
E	SAN FRANCISCO BAY HA					
E-06	SAN PABLO HU					
E-06.E	NAPA RIVER HA					
07N/05W-16L01	M	171.0	06/07/85	34.2	136.8	3983
07N/05W-16N02	M	193.0	10/10/84	46.9	146.1	3983
			06/07/85	11.9	181.1	
08N/03W-32K04	M	192.6	10/10/84	16.5	175.5	3983
			06/07/85	11.5	180.5	
08N/06W-06L04	M	335.0	10/10/84	14.0	321.0	3983
			06/07/85	12.0	323.0	
08N/06W-10D01	M	290.0	10/12/84	8.2	281.8	5050
			02/21/85	5.5	284.5	
			03/13/85	5.3	284.7	
			04/25/85	5.6	284.4	
			05/22/85	6.4	283.6	
			06/24/85	7.2	282.8	
			08/05/85	8.1	281.9	
			08/23/85	8.4	281.6	
			09/18/85	8.5	281.5	
09N/06W-31D01	M	340.0	10/10/84	13.0	327.0	3983
			06/07/85	7.0	333.0	
09N/07W-25N01	M	390.0	10/10/84	18.0	362.0	3983
			06/07/85	NM-2		

STATE WELL NUMBER	CO	GROUND SURFACE ELEVATION	DATE	GROUND TO WATER	WATER SURFACE ELEV.	AGENCY
E	SAN FRANCISCO BAY HA					
E-07	SUISUN HU					
E-07.8	FAIRFIELD HA					
E-07.81	BENICIA HSA					
04N/03W-01D01	M	37.0	10/10/84	5.1	31.9	2684
			03/15/85	2.8	34.2	
04N/03W-12G01	M	43.0	10/02/84	17.3	25.7	5050
			03/08/85	15.9	27.1	
E-07.82	SUISUN CREEK HSA					
04N/02W-05L07	M	20.0	10/02/84	13.2(4)	6.8	5050
			03/05/85	5.9	14.1	
04N/02W-06A01	M	35.0	10/02/84	15.7	19.3	5050
			10/14/84	15.1	19.9	2684
			11/26/84	14.3	20.7	5050
			12/18/84	13.4	21.6	
			01/30/85	14.0(4)	21.0	
			02/22/85	13.3	21.7	
			03/08/85	13.0	22.0	
			03/14/85	14.6	20.4	2684
			04/24/85	13.4	21.6	5050
			05/23/85	17.5	17.5	
			06/27/85	12.8	22.2	
			07/29/85	NM-6		
05N/02W-08G03	M	143.0	10/15/84	11.5	131.5	2684
			03/14/85	9.6	133.4	
05N/02W-19H04	M	86.0	10/02/84	15.3	70.7	5050
			03/08/85	14.0	72.0	
05N/02W-21P03	M	60.0	10/02/84	11.0	49.0	5050
			10/15/84	11.1	48.9	2684
			11/26/84	10.4	49.6	5050
			12/18/84	10.5	49.5	
			01/30/85	10.8	49.2	
			02/22/85	9.9	50.1	
			03/08/85	10.0	50.0	
			03/14/85	10.1	49.9	2684
			04/24/85	9.5	50.5	5050
			05/23/85	9.5	50.5	
			06/27/85	9.0	51.0	
			07/29/85	9.3	50.7	
			08/23/85	10.3	49.7	
			09/17/85	10.9	49.1	
05N/02W-27J01	M	24.0	10/02/84	7.7	16.3	5050
			11/26/84	9.6(1)	14.4	
			12/18/84	10.0(1)	14.0	
			01/30/85	7.1	16.9	
			02/22/85	7.6	16.4	
			03/08/85	6.3	17.7	
			04/24/85	7.5	16.5	
			05/23/85	7.3	16.7	
			06/27/85	7.6	16.4	
			07/29/85	8.0	16.0	
			08/23/85	9.4	14.6	
			09/17/85	7.6	16.4	
05N/02W-27K02	M	29.0	10/02/84	7.2	21.8	5050
			11/26/84	5.6	23.4	
			12/18/84	5.3	23.7	
			01/30/85	6.8	22.2	
			02/22/85	6.5	22.5	
			03/08/85	5.8	23.2	
			04/24/85	6.5	22.5	
			05/23/85	6.8	22.2	
			06/27/85	6.9	22.1	
			07/29/85	7.0	22.0	
			08/23/85	7.1	21.9	
			09/17/85	7.1	21.9	
05N/02W-27K03	M	29.0	10/02/84	7.0	22.0	5050
			03/08/85	5.5	23.5	
05N/02W-27L02	M	33.0	10/02/84	8.5	24.5	5050
			11/26/84	6.6	26.4	
			12/18/84	6.8	26.2	
			01/30/85	7.0	26.0	
			02/22/85	6.8	26.2	
			03/08/85	6.6	26.4	
			04/24/85	7.3	25.7	
			05/23/85	7.8	25.2	
			06/27/85	8.9	24.1	
			07/29/85	8.8	24.2	
			08/23/85	8.4	24.6	
			09/17/85	8.2	24.8	
05N/02W-29F01	M	46.0	10/15/84	10.5	35.5	2684
			03/15/85	12.5	33.5	
05N/02W-30J01	M	65.0	10/02/84	21.5	43.5	5050
			11/26/84	20.8	44.2	
			12/18/84	20.6	44.4	
			01/30/85	21.6	43.4	
			02/22/85	20.0	45.0	
			03/08/85	20.3	44.7	
			04/24/85	20.5	44.5	
			05/23/85	17.8	47.2	
			06/27/85	15.5	49.5	
			07/29/85	16.5	48.5	
			08/23/85	17.8	47.2	
			09/17/85	18.7	46.3	
E-07.83	SUISUN SLU HSA					
04N/01E-09M01	M	95.0	10/02/84	60.7	34.3	5050
			03/08/85	60.3	34.7	
04N/01E-17D02	M	38.0	10/03/84	15.4	22.6	5050

TABLE D (CONTINUED)

WDIS GROUND WATER LEVELS AT WELLS

STATE WELL NUMBER	CO	GROUND SURFACE ELEVATION	DATE	GROUND TO WATER	WATER SURFACE ELEV.	AGENCY
E	SAN FRANCISCO BAY HR					
E-07	SUISUN HU					
E-07.8	FAIRFIELD HA					
E-07.83	SUISUN SLU HSA					
04N/01E-17D02	M	38.0	03/08/85	13.2	24.8	5050
04N/01E-20F01	M	43.0	10/03/84	18.1	24.9	5050
			03/08/85	17.9	25.1	
05N/01E-19P01	M	39.0	10/05/84	7.2	31.8	2684
			03/22/85	7.0	32.0	
04N/01W-15N01	M	8.0	10/02/84	5.3	2.7	5050
			03/06/85	1.9	6.1	
04N/02W-04D02	M	26.0	10/12/84	11.7	14.3	2684
			03/14/85	8.9	17.1	
04N/02W-04F03	M	20.0	10/02/84	4.4	15.6	5050
			03/06/85	2.0	18.0	
04N/02W-09AC1	M	7.0	10/02/84	1.2	5.8	5050
			10/12/84	1.2	5.9	2684
			11/26/84	.2	6.8	5050
			12/18/84	.2	6.8	
			01/30/85	.4	6.6	
			02/22/85	.3	6.7	
			03/08/85	.3	6.7	
			03/14/85	.3	6.7	2684
			04/24/85	.5	6.5	5050
			05/23/85	1.0	6.0	
			06/27/85	1.3	5.7	
			07/29/85	1.3	5.7	
			08/23/85	1.4	5.6	
			09/17/85	1.4	5.6	
04N/02W-09H01	M		10/02/84	FLOW		5050
			03/08/85	FLOW		
05N/01W-07F01	M	115.0	10/05/84	10.4	104.6	2684
			03/14/85	11.4	103.6	
05N/01W-15D01	M	70.0	10/02/84	15.2	54.8	5050
			03/08/85	14.2	55.8	
05N/01W-19K01	M	40.0	10/02/84	10.3	29.7	5050
			11/26/84	9.0	31.0	
			12/18/84	8.0	32.0	
			01/30/85	7.5	32.5	
			02/22/85	6.8	33.2	
			03/06/85	6.6	33.4	
			04/24/85	6.7	33.3	
			05/23/85	8.0	32.0	
			06/27/85	9.0	31.0	
			07/29/85	9.1	30.9	
			08/23/85	9.3	30.7	
			09/16/85	9.4	30.6	
05N/01W-25P01	M	25.0	10/05/84	9.2	15.8	2684
			03/22/85	7.9	17.1	
05N/01W-29C01	M	20.0	10/02/84	8.1	11.9	5050
			03/08/85	6.7	13.3	
05N/01W-35E01	M	18.0	10/02/84	8.8	9.2	5050
			03/06/85	7.2	10.8	
E-07.84	GETTYSBURG ISLAND HSA					
04N/01W-32G01	M	.0	10/02/84	4.6	-4.6	5050
			03/08/85	1.0	-1.0	
E-07.C	CONCORD HA					
E-07.C1	PITTSBURG HSA					
02N/01E-18G01	M	25.0	10/09/84	19.2	5.8	5050
			03/20/85	19.3	5.7	
01N/01W-04H01	M	250.0	10/09/84	50.3	199.7	5050
			05/20/85	34.6	215.4	
01N/01W-07K01	M	83.0	10/09/84	12.2	70.8	5050
			03/20/85	9.7	73.3	
02N/01W-11C01	M	30.0	10/09/84	29.4	.6	5050
			03/20/85	29.3	.7	
02N/01W-30K01	M	108.0	10/09/84	5.6	102.4	5050
			03/20/85	4.3	103.7	
02N/01W-31P01	M	96.0	10/09/84	30.6	65.4	5050
			03/20/85	26.6	69.4	
02N/01W-31Q01	M	125.0	10/09/84	8.5	116.5	5050
			03/20/85	7.5	117.5	
02N/02W-25H01	M	64.0	10/09/84	10.7	53.3	5050
			03/20/85	8.3	55.7	
02N/02W-34E01	M		10/09/84	NM-1		5050
		48.0	11/19/84	13.3	34.7	
			03/20/85	14.2	33.8	
E-07.83	MARTINEZ HSA					
02N/02W-35D01	M	25.0	10/09/84	9.3	15.7	5050
			03/20/85	6.9	18.1	

TABLE D (CONTINUED)

USGS GROUND WATER LEVELS AT WELLS

STATE WELL NUMBER	CO	GROUND SURFACE ELEVATION	DATE	GROUND TO WATER	WATER SURFACE ELEV.	AGENCY
F	NORTH COAST HR					
F-14	RUSSIAN RIVER HU					
F-14.A	LOWER RUSSIAN RIVER HA					
F-14.A1	GUERNEVILLE HSA					
07N/09W-16M01	M	180.0	10/24/84	29.2	150.8	5050
			03/29/85	26.1	153.9	
07N/09W-34F01	M	192.0	10/24/84	10.8	171.2	5050
			03/29/85	6.5	175.5	
08N/10W-29D02	M	50.0	10/17/84	5.7	44.3	5050
			04/04/85	3.3	46.7	
F-14.R	MIDDLE RUSSIAN RIVER HA					
F-14.R1	LAGUNA HSA					
06N/07W-17G01	M	255.0	10/19/84	62.2	192.8	5050
			03/27/85	27.6	227.4	
06N/07W-18J01	M	185.0	10/19/84	19.5	165.5	5050
			03/27/85	8.7	176.3	
06N/07W-19E01	M	119.0	10/17/84	134.6(4)	-15.6	5050
			11/28/84	79.0	40.0	
			12/20/84	79.3	39.7	
			01/29/85	75.5	43.5	
			02/20/85	71.4	47.6	
			03/14/85	65.5	53.5	
			04/23/85	73.2	45.8	
			05/29/85	91.0	28.0	
			06/25/85	102.6(3)	16.4	
			07/31/85	100.7	18.3	
			08/27/85	NM-1		
			09/19/85	103.5	15.5	
06N/07W-30C01	M	130.0	10/17/84	124.7	5.3	5050
			03/27/85	101.0	29.0	
06N/07W-30R01	M	175.0	11/01/84	62.0	113.0	5050
			03/27/85	37.9	137.1	
06N/08W-02E01	M	110.0	10/22/84	31.0	79.0	5050
			03/27/85	5.3	104.7	
06N/08W-02E02	M	158.0	10/23/84	16.2	91.8	5050
			03/27/85	NM-0		
06N/08W-04D01	M	90.0	10/22/84	19.0	71.0	5050
			03/27/85	8.0	82.0	
06N/08W-07P02	M	95.0	10/17/84	29.2	65.8	5050
			11/28/84	16.0	79.0	
			12/20/84	13.9	81.1	
			01/29/85	13.7	81.3	
			02/20/85	10.9	84.1	
			03/14/85	13.1	81.9	
			04/23/85	13.0	82.0	
			05/21/85	17.1	77.9	
			06/25/85	21.8	73.2	
			07/31/85	NM-1		
			08/27/85	23.7	71.3	
			09/19/85	28.4(1)	66.6	
06N/08W-08E02	M	82.0	10/22/84	48.1	33.9	5050
			03/27/85	46.0	36.0	
06N/08W-09J02	M	88.0	10/24/84	103.1	-15.1	5050
			03/27/85	86.0	2.0	
06N/08W-11D01	M	100.0	10/22/84	26.2	73.8	5050
			03/27/85	17.2	82.8	
06N/08W-11E01	M	95.0	10/22/84	21.7	77.3	5050
			03/27/85	19.2	79.8	
06N/08W-11P01	M	95.0	10/19/84	23.4	71.6	5050
			03/27/85	13.2	81.8	
06N/08W-12E01	M	119.0	10/17/84	55.6	63.4	5050
			11/28/84	54.1	64.9	
			12/20/84	54.8	64.2	
			01/29/85	53.9	65.1	
			02/20/85	50.0	69.0	
			03/27/85	55.0	63.1	
			04/23/85	69.0(6)	50.0	
			05/21/85	55.3	63.7	
			06/26/85	63.5	55.5	
			07/31/85	NM-1		
			08/27/85	NM-1		
			09/19/85	84.4	34.6	
06N/08W-12M01	M	98.0	10/19/84	19.3	78.7	5050
			03/27/85	7.7	90.3	
06N/08W-15J02	M	95.0	10/17/84	51.2	43.8	5050
			11/28/84	49.3	45.7	
			12/20/84	46.4	48.6	
			01/29/85	44.2	50.8	
			02/20/85	43.0	52.0	
			03/14/85	41.9	53.1	
			04/23/85	41.1	53.9	
			05/21/85	43.7	51.3	
			06/25/85	47.8	47.2	
			07/31/85	49.4	45.6	
			08/27/85	52.0	43.0	
			09/19/85	51.8	43.2	
06N/08W-15R01	M	95.0	10/22/84	84.4	10.6	5050
			03/27/85	62.8	32.2	
06N/08W-16K03	M	90.0	10/22/84	60.4	29.6	5050
			03/27/85	57.5	32.5	

STATE WELL NUMBER	CO	GROUND SURFACE ELEVATION	DATE	GROUND TO WATER	WATER SURFACE ELEV.	AGENCY
F	NORTH COAST HR					
F-14	RUSSIAN RIVER HU					
F-14.R	MIDDLE RUSSIAN RIVER HA					
F-14.R1	LAGUNA HSA					
06N/08W-19C01	M	80.0	10/22/84	23.1	56.9	5050
			03/27/85	15.6	64.4	
06N/08W-22P01	M	80.0	11/01/84	116.6	-26.6	5050
			03/27/85	84.2	-4.2	
06N/08W-26L01	M	100.0	10/17/84	22.7	77.3	5050
			11/27/84	16.2	83.8	
			12/20/84	14.2	85.8	
			01/29/85	13.0	87.0	
			02/20/85	11.5	88.5	
			03/14/85	11.1	88.9	
			04/23/85	12.3	87.7	
			05/21/85	15.0	85.0	
			06/26/85	18.7	81.3	
			07/31/85	22.6	77.4	
			08/27/85	22.7	77.3	
			09/19/85	NM-1		
06N/08W-26M01	M		10/19/84	NM-0		5050
06N/08W-27M01	M	97.0	10/19/84	47.5	49.5	5050
			03/27/85	49.0	48.0	
06N/09W-24D02	M	260.0	10/22/84	38.7	221.3	5050
			03/27/85	35.5	224.5	
07N/08W-26L02	M	142.0	10/23/84	44.1	97.9	5050
			03/27/85	38.0	104.0	
07N/08W-27N02	M	115.0	10/23/84	11.9	103.1	5050
			03/27/85	3.9	111.1	
07N/08W-29K01	M	95.0	10/23/84	12.7	83.3	5050
			03/29/85	4.4	91.6	
07N/08W-29M02	M	92.0	10/23/84	13.4	78.6	5050
			03/29/85	4.0	88.0	
07N/08W-30K01	M	96.0	10/17/84	24.2	67.8	5050
			11/28/84	22.8	71.2	
			12/20/84	20.9	73.1	
			01/29/85	18.3	75.7	
			02/20/85	17.3	76.7	
			03/14/85	17.0	77.0	
			04/23/85	20.6	73.4	
			05/21/85	19.1	74.9	
			06/26/85	NM-1		
			07/31/85	23.0	73.0	
			08/27/85	28.0	66.0	
			09/19/85	28.5	67.5	
07N/08W-35K01	M	127.0	10/23/84	27.9	99.1	5050
			03/27/85	22.7	104.3	
07N/09W-15K01	M	75.0	10/24/84	10.4	64.6	5050
			03/29/85	9.0	66.0	
07N/09W-26P01	M	75.0	10/24/84	26.0	49.0	5050
			03/29/85	21.8	53.2	
07N/09W-35D02	M	135.0	10/17/84	24.2	110.8	5050
			11/28/84	23.8	111.2	
			12/20/84	NM-1		
			01/29/85	23.7	111.3	
			02/20/85	23.3	111.7	
			03/14/85	23.2	111.8	
			04/23/85	26.1	108.9	
			05/21/85	24.0	111.0	
			06/26/85	24.8	110.2	
			07/31/85	25.3	109.7	
			08/27/85	26.0	109.0	
			09/19/85	26.1	108.9	
07N/09W-35D04	M	95.0	10/24/84	22.2	72.8	5050
			03/28/85	21.1	73.9	
F-14.R2	SANTA ROSA HSA					
06N/07W-03D01	M	529.0	10/23/84	70.3(3)	458.7	5050
			03/23/85	58.3(3)	466.7	
06N/07W-13M01	M	480.0	10/23/84	41.5	438.5	5050
			04/23/85	39.4	440.6	
07N/07W-06H02	M	295.0	10/23/84	31.6	263.4	5050
			03/21/85	18.3	276.7	
07N/07W-09P01	M	382.0	10/23/84	68.5	313.5	5050
			03/21/85	64.0	318.0	
07N/07W-19R01	M	204.0	10/23/84	13.1	190.9	5050
			03/23/85	11.7	192.3	
07N/07W-19F02	M	204.0	10/24/84	12.9	193.1	5050
			03/28/85	7.6	196.4	
07N/08W-03L01	M	140.0	10/15/84	16.6	123.4	5050
			03/29/85	11.4	128.6	
07N/08W-07D01	M	135.0	10/19/84	33.3	101.7	5050
			03/28/85	29.5	105.5	
07N/08W-07001	M	95.0	10/24/84	13.3	81.7	5050
			03/23/85	3.0	92.0	
07N/08W-08M01	M	131.0	10/24/84	51.0	80.0	5050
			03/29/85	43.5(4)	87.5	

WDIS GROUND WATER LEVELS AT WELLS

STATE WELL NUMBER	CO	GROUND SURFACE ELEVATION	DATE	GROUND TO WATER	WATER SURFACE ELEV.	AGENCY
F NORTH COAST HR						
F-14 RUSSIAN RIVER HU						
F-14.3 MIDDLE RUSSIAN RIVER HA						
F-14.82 SANTA ROSA HSA						
07N/08W-09N01	M	122.0	10/18/84	21.4	100.6	5050
			03/28/85	11.2	110.8	
07N/09W-15F01	M	135.0	10/18/84	22.0	113.0	5050
			03/28/85	14.7	120.3	
07N/08W-17K03	M	98.0	10/18/84	15.5	82.5	5050
			03/28/85	7.7	90.3	
07N/08W-20D01	M	90.0	10/18/84	13.4	76.6	5050
			03/28/85	5.8	84.2	
07N/08W-21J01	M	122.0	10/18/84	42.4	79.6	5050
			03/28/85	31.4	90.6	
07N/08W-23H01	M	170.0	10/23/84	20.1	149.9	5050
			03/28/85	16.1	153.9	
07N/09W-24H01	M	190.0	10/23/84	11.5	178.5	5050
			03/28/85	NM-0		
07N/08W-24L01	M	179.0	10/23/84	18.1	160.9	5050
			03/28/85	14.5	164.5	
07N/09W-13M01	M	75.0	10/24/84	39.8(4)	35.2	5050
			03/28/85	30.3(3)	44.7	
07N/09W-14H05	M	130.0	10/24/84	39.2	90.8	5050
			03/28/85	26.5	73.5	
F-14.83 MARK WEST HSA						
07N/09W-01C01	M	90.0	10/17/84	21.8	68.2	5050
			03/14/85	15.8	74.2	
07N/09W-02L01	M	90.0	10/18/84	37.9	52.1	5050
			03/29/85	34.0	56.0	
08N/08W-20D01	M	140.0	10/18/84	43.8	96.2	5050
			04/04/85	25.9	114.1	
08N/09W-29P01	M	138.0	10/18/84	31.3	107.7	5050
			03/29/85	12.5	125.5	
08N/08W-20C01	M	134.0	10/18/84	43.0	91.0	5050
			03/29/85	30.9	103.1	
08N/08W-32N01	M	127.0	10/18/84	24.4	102.6	5050
			03/29/85	14.9	112.1	
08N/09W-12P01	M	110.0	10/18/84	53.9	56.1	5050
			03/29/85	39.0	71.0	
08N/09W-12P02	M	110.0	10/18/84	52.0	58.0	5050
			03/29/85	37.6	72.4	
08N/09W-13A02	M	120.0	10/17/84	60.0	60.0	5050
			11/28/84	51.9	68.1	
			12/20/84	47.1	72.9	
			01/29/85	40.9	79.1	
			02/20/85	41.4	78.6	
			03/14/85	42.9	77.1	
			04/23/85	51.1	68.9	
			05/21/85	50.4	69.6	
			06/26/85	61.8	58.2	
			07/31/85	62.6	57.4	
			08/27/85	NM-1		
			09/19/85	68.2(4)	51.8	
08N/09W-13A03	M	128.0	10/18/84	81.6	46.4	5050
			03/29/85	57.5	70.5	
08N/09W-14L02	M	99.0	10/18/84	16.7	82.3	5050
			03/29/85	10.4	88.6	
08N/09W-15R01	M	195.0	10/18/84	114.2	80.8	5050
			03/29/85	116.5	78.5	
09N/09W-22P01	M	90.0	10/26/84	38.7	51.3	5050
			04/04/85	35.3	54.7	
08N/09W-26L01	M	115.0	10/17/84	76.0	39.0	5050
			11/28/84	70.5	44.5	
			12/20/84	69.2	45.8	
			01/29/85	66.6	48.4	
			02/20/85	65.6	49.4	
			03/14/85	71.0	44.0	
			04/23/85	70.6	44.4	
			05/21/85	68.9	46.1	
			06/26/85	74.3	40.7	
			07/31/85	75.0	40.0	
			08/27/85	78.4	36.6	
			09/19/85	75.0	40.0	
08N/09W-34N01	M	90.0	10/17/84	11.5	78.5	5050
			03/14/85	6.9	83.2	
08N/09W-36P01	M	90.0	10/17/84	60.2	29.8	5050
			11/28/84	55.8	34.2	
			12/20/84	54.1	35.9	
			01/29/85	51.8	38.2	
			02/20/85	50.7	39.3	
			03/14/85	50.0	40.0	
			04/23/85	48.9	41.1	
			05/21/85	48.7	41.3	
			06/26/85	NM-1		
			07/31/85	NM-1		
			08/27/85	59.7	30.3	
			09/19/85	57.9	32.1	

STATE WELL NUMBER	CO	GROUND SURFACE ELEVATION	DATE	GROUND TO WATER	WATER SURFACE ELEV.	AGENCY
F NORTH COAST HR						
F-14 RUSSIAN RIVER HU						
F-14.8 MIDDLE RUSSIAN RIVER HA						
F-14.85 GEYSERVILLE HSA						
09N/08W-06L01	M	193.0	10/16/84	64.6	128.4	5050
			04/02/85	26.8	166.2	
09N/08W-07Q01	M	150.0	10/15/84	20.1	129.9	5050
			04/02/85	17.6	142.4	
09N/08W-20L01	M	165.0	10/15/84	49.2	115.8	5050
			04/02/85	32.3	132.7	
09N/09W-01D01	M	200.0	10/15/84	35.4	164.6	5050
			04/02/85	25.2	174.8	
09N/09W-01K02	M	170.0	10/16/84	25.3	144.7	5050
			04/02/85	23.6	146.4	
10N/09W-18R01	M	230.0	10/16/84	21.8	208.2	5050
			04/02/85	16.5	213.5	
10N/09W-18N01	M	215.0	10/16/84	13.8	201.2	5050
			04/02/85	10.7	204.3	
10N/09W-26LC2	M	205.0	10/16/84	15.4	189.6	5050
			04/02/85	2.0	203.0	
10N/09W-33D01	M	178.0	10/16/84	12.5	165.5	5050
			04/02/85	8.7	169.3	
10N/10W-12G01	M	228.0	10/16/84	11.3	216.7	5050
			04/23/85	9.3(4)	218.7	
11N/10W-08P01	M	305.0	10/16/84	15.5	289.5	5050
			04/02/85	12.1	292.9	
11N/10W-17P02	M	292.0	10/16/84	13.8	278.2	5050
			04/02/85	10.3	281.7	
11N/10W-19F02	M	346.0	10/16/84	11.0	335.0	5050
			04/02/85	4.7	341.3	
F-14.C UPPER RUSSIAN RIVER HA						
F-14.C1 UKIAH HSA						
13N/11W-18E01	M	490.0	10/16/84	13.5	476.5	5050
			04/02/85	10.6	479.4	
14N/12W-05K01	M	590.0	10/15/84	21.6	568.4	5050
			04/02/85	16.2	573.8	
14N/12W-26F02	M	550.0	10/15/84	10.5	539.5	5050
			04/02/85	6.1	543.9	
15N/12W-08L01	M	640.0	10/15/84	24.9	615.1	5050
			04/02/85	18.4	621.6	
15N/12W-34001	M	580.0	10/16/84	31.9	548.1	5050
			04/02/85	14.0	566.0	
16N/12W-15N02	M	680.0	10/15/84	20.0	660.0	5050
			04/02/85	16.9	663.1	
F-14.C2 COYOTE VALLEY HSA						
17N/11W-18J01	M	955.0	10/15/84	.8	954.2	5050
			04/01/85	-.4	955.4	
17N/11W-32J01	M	895.0	10/15/84	2.0	893.0	5050
			04/01/85	.8	894.2	
F-14.C3 FORSYTHE CREEK HSA						
17N/12W-28M01	M	795.0	10/15/84	17.0	778.0	5050
			04/01/85	4.5	790.5	

TABLE D (CONTINUED)

WDIS GROUND WATER LEVELS AT WELLS

STATE WELL NUMBER	CO	GROUND SURFACE ELEVATION	DATE	GROUND TO WATER	WATER SURFACE ELEV.	AGENCY
T	CENTRAL COAST HA					
T-05	PAJARO RIVER HU					
T-05.9	SANTA CRUZ MOUNTAINS HA					
12S/04E-17L20	M	150.0	03/00/85	25.0	125.0	1474
12S/04E-20C01	M	152.9	03/00/85	41.5	111.4	1474
12S/04E-21M01	M	170.0	03/00/85	43.0	127.0	1474
12S/05E-30H01	M	252.3	03/00/85	73.3	179.0	1474
T-05.C	SOUTH SANTA CLARA VALLEY HA					
11S/04E-24C02	M	141.0	03/00/85	17.0	124.0	1474
11S/04E-25H02	M	148.0	03/00/85	23.0	125.0	1474
11S/04E-26P01	M	145.0	03/00/85	8.7	136.3	1474
11S/04E-36A01	M	142.0	03/00/85	.3	141.7	1474
11S/05E-12F01	M	277.4	03/00/85	39.6	237.8	1474
11S/05E-20N01	M	151.1	03/00/85	26.1	125.0	1474
11S/05E-21F02	M	153.0	03/00/85	1.5	151.5	1474
11S/05E-23E02	M	229.0	03/00/85	23.0	206.0	1474
11S/05E-24C01	M	240.6	03/00/85	30.7	209.9	1474
11S/05E-24F01	M		03/00/85	NM-7		1474
11S/05E-24J01	M	233.9	03/00/85	27.3	206.6	1474
11S/05E-25C01	M	246.3	03/00/85	40.0	206.3	1474
11S/05E-26N02	M	202.0	03/00/85	38.7	163.3	1474
11S/05E-26P03	M	206.0	03/00/85	49.7	156.3	1474
11S/05E-27D02	M	195.8	03/00/85	29.4	156.4	1474
11S/05E-34P01	M	165.9	03/00/85	9.3	156.6	1474
11S/05E-35H01	M	157.7	03/00/85	34.7	123.0	1474
11S/05E-31F01	M	161.8	03/00/85	62.2	99.6	1474
11S/05E-33F01	M	171.4	03/00/85	20.6	150.8	1474
11S/05E-35C01	M	197.4	03/00/85	31.6	165.8	1474
11S/05E-35G01	M	204.8	03/00/85	52.5	152.3	1474
11S/05E-35Q03	M	202.0	03/00/85	88.1	113.9	1474
11S/05E-36C01	M	220.6	03/00/85	27.8	192.9	1474
11S/05E-36M01	M	221.6	03/00/85	66.7	154.9	1474
11S/06E-31M02	M	297.0	03/00/85	72.5	224.5	1474
12S/04E-26G01	M	216.2	03/00/85	77.0	139.2	1474
12S/04E-28F01	M	168.8	03/00/85	50.5	118.3	1474
12S/04E-28R01	M	181.7	03/00/85	69.4	112.3	1474
12S/04E-34H01	M	198.0	03/00/85	77.8	120.2	1474
12S/04E-35A01	M	216.7	03/00/85	67.4	149.3	1474
12S/04E-35N01	M	217.4	03/00/85	70.8	146.6	1474
12S/05E-01F04	M		03/00/85	NM-7		1474
12S/05E-01G02	M	227.0	03/00/85	42.0	185.0	1474
12S/05E-01G03	M	220.0	03/00/85	37.0	183.0	1474
12S/05E-02H04	M	212.7	03/00/85	55.8	156.9	1474
12S/05E-02M05	M	213.0	03/00/85	50.5	162.5	1474
12S/05E-02Q02	M	195.8	03/00/85	47.2	148.6	1474
12S/05E-03C01	M	181.2	03/00/85	37.5	143.7	1474
12S/05E-06L01	M	172.0	03/00/85	91.0	81.0	1474
12S/05E-07P01	M	205.0	03/00/85	134.5	70.5	1474
12S/05E-09K01	M	213.0	03/00/85	84.9	128.1	1474
12S/05E-09M01	M	206.7	03/00/85	125.9	80.8	1474
12S/05E-12P01	M	238.0	03/00/85	55.0	183.0	1474
12S/05E-14N01	M	231.9	03/00/85	161.4	70.5	1474
12S/05E-16F02	M		03/00/85	NM-7		1474
12S/05E-17D01	M	211.0	03/00/85	92.5	118.5	1474
12S/05E-21D01	M	254.7	03/00/85	139.6	119.1	1474
12S/05E-22C01	M	235.9	03/00/85	150.2	85.7	1474
12S/05E-22J02	M	251.0	03/00/85	150.0	101.0	1474
12S/05E-22N01	M	260.3	03/00/85	87.5	172.8	1474
12S/05E-22P01	M	257.7	03/00/85	178.5	79.2	1474
12S/05E-23A20	M	240.0	03/00/85	174.0	66.0	1474
12S/05E-24N01	M	269.3	03/00/85	245.0	24.3	1474
12S/05E-25Q02	M		03/00/85	NM-7		1474
12S/05E-27E01	M	272.6	03/00/85	53.0	219.6	1474
12S/05E-28J01	M	274.0	03/00/85	52.0	222.0	1474
12S/05E-28L01	M	273.2	03/00/85	48.7	224.5	1474
12S/05E-28N01	M	270.0	03/00/85	21.7	248.3	1474
12S/05E-30R01	M	220.0	03/00/85	43.0	177.0	1474
12S/05E-31G01	M		03/00/85	NM-7		1474
12S/05E-33A03	M		03/00/85	NM-7		1474
12S/05E-33E02	M	257.0	03/00/85	27.0	230.0	1474
12S/05E-34P01	M	292.2	03/00/85	56.3	235.9	1474
12S/05E-35N02	M	303.0	03/00/85	97.4	205.6	1474
12S/05E-35Q01	M		03/00/85	NM-7		1474
12S/05E-36R20	M		03/00/85	NM-7		1474
12S/06E-06K01	M	260.6	03/00/85	38.2	222.4	1474
12S/06E-06L04	M	248.0	03/00/85	37.0	211.0	1474
12S/06E-07P01	M	277.6	03/00/85	11.9	266.0	1474
12S/06E-18E01	M		03/00/85	NM-7		1474
12S/06E-18G01	M	308.2	03/00/85	24.3	283.9	1474
12S/06E-19E09	M	281.0	03/00/85	113.1	167.9	1474
12S/06E-19N01	M	300.0	03/00/85	139.0	161.0	1474
13S/04E-01K01	M	220.2	03/00/85	32.5	187.7	1474
13S/04E-03H01	M	200.1	03/00/85	98.2	101.9	1474
13S/04E-04A03	M	211.5	03/00/85	14.6	196.9	1474
13S/05E-02P01	M	324.4	03/00/85	65.8	258.6	1474
13S/05E-03H01	M	311.1	03/00/85	77.5	233.6	1474
13S/05E-03L01	M	290.0	03/00/85	51.2	238.8	1474
13S/05E-04G01	M	284.0	03/00/85	44.0	240.0	1474
13S/05E-10A01	M	308.3	03/00/85	73.0	235.3	1474
13S/05E-10L01	M	310.0	03/00/85	79.0	231.0	1474
13S/05E-11A01	M		03/00/85	NM-7		1474
13S/05E-11E01	M	306.7	03/00/85	19.3	287.4	1474
13S/05E-11Q01	M	325.5	03/00/85	30.6	294.9	1474
13S/05E-12D03	M	470.0	03/00/85	95.1	374.9	1474
13S/05E-12K01	M	440.0	03/00/85	132.0	308.0	1474
13S/05E-12N20	M	339.0	03/00/85	11.3	327.7	1474
13S/05E-13F01	M	348.0	03/00/85	10.0	338.0	1474
13S/05E-13H01	M	403.0	03/00/85	53.7	349.3	1474
13S/05E-13J02	M	379.0	03/00/85	25.0	354.0	1474
13S/05E-13Q01	M	358.2	03/00/85	18.0	340.2	1474
13S/06E-06E01	M		03/00/85	NM-2		1474
13S/06E-07D02	M	500.0	03/00/85	85.0	415.0	1474
T-05.D	PACHECO-SANTA ANA CREEK HA					
11S/05E-13D01	M	255.7	03/00/85	37.4	218.3	1474
T-05.E	SAN BENITO RIVER HA					
13S/06E-19J01	M	420.0	03/00/85	.0	420.0	1474
13S/06E-19K01	M	409.2	03/00/85	27.5	381.7	1474
13S/06E-20K01	M	431.9	03/00/85	9.3	422.6	1474

TABLE D (CONTINUED)

WDIS GROUND WATER LEVELS AT WELLS

STATE WELL NUMBER	CO	GROUND SURFACE ELEVATION	DATE	GROUND TO WATER	WATER SURFACE ELEV.	AGENCY
T-06	CENTRAL COAST HB BOLSA NUEVA HU					
13S/02E-27L01	M	45.0	12/18/84	62.4	-17.4	5115
13S/02E-27M01	M	15.0	12/17/84	19.0	-4.0	5115
13S/02E-27P01	M	50.0	12/17/84	65.1	-15.1	5115
T-07	CENTRAL COAST HB CARMEL RIVER HU					
18S/06E-01E01	M	210.0	11/28/84	33.0	177.0	5115
18S/06E-02N01	M	202.0	12/13/84	34.8	167.2	5115
18S/06E-03P01	M	189.0	12/06/84	13.0	176.0	5115
18S/06E-05R02	M	192.0	12/04/84	31.2	160.8	5115
18S/06E-06M01	M	194.0	12/04/84	26.5	167.5	5115
18S/06E-07A01	M	195.0	12/04/84	28.6	166.4	5115
18S/06E-08R01	M	297.0	12/04/84	123.1	173.9	5115
18S/06E-09M01	M	200.0	12/04/84	31.6	168.4	5115
18S/06E-09M02	M	201.0	12/04/84	30.5	170.5	5115
18S/06E-11J01	M	215.0	11/28/84	32.0	183.0	5115
18S/06E-12A01	M	222.0	11/28/84	38.0	184.0	5115
18S/06E-12R01	M	225.0	11/28/84	37.0	188.0	5115
18S/06E-14R01	M	220.0	12/06/84	28.5	191.5	5115

TABLE 0 (CONTINUED)

WDIS GROUND WATER LEVELS AT WELLS

STATE WELL NUMBER	CO	GROUND SURFACE ELEVATION	DATE	GROUND TO WATER	WATER SURFACE ELEV.	AGENCY
T CENTRAL COAST HB T-09 SALINAS HU T-09.A LOWER SALINAS VALLEY HA						
13S/02E-19H01	M	20.3	12/18/84	20.8	-.5	5115
13S/02E-19R01	M	13.0	12/12/84	14.6	-1.6	5115
13S/02E-20J01	M	14.0	12/19/84	17.7	-3.7	5115
13S/02E-21N01	M	16.7	12/18/84	20.8	-4.1	5115
13S/02E-29C02	M	14.0	12/12/84	16.7	-2.7	5115
13S/02E-29D03	M	9.5	12/12/84	9.2	.3	5115
13S/02E-29E02	M	18.0	12/12/84	18.3	-.3	5115
13S/02E-29M02	M	9.0	12/13/84	10.7	-1.7	5115
13S/02E-29P01	M	10.0	12/12/84	10.3	-.3	5115
13S/02E-30A01	M	15.1	12/13/84	15.4	-.3	5115
13S/02E-30H01	M	8.0	12/13/84	6.3	1.7	5115
13S/02E-30Q02	M	9.0	12/12/84	8.4	.6	5115
13S/02E-31D02	M	9.0	12/13/84	11.8	-2.8	5115
13S/02E-31G04	M	10.4	12/12/84	12.5	-2.1	5115
13S/02E-31N02	M	11.0	12/12/84	10.2	.8	5115
13S/02E-31P01	M	10.0	12/13/84	10.3	-.3	5115
13S/02E-32A02	M	8.5	12/13/84	12.0	-3.5	5115
13S/02E-32C01	M	8.8	12/19/84	9.9	-1.1	5115
13S/02E-32F03	M	9.5	12/18/84	11.0	-1.5	5115
13S/02E-32J03	M	11.0	12/13/84	13.7	-2.7	5115
13S/02E-33P01	M	24.8	12/12/84	29.5	-4.7	5115
13S/02E-35L01	M	3.0	12/15/84	12.6	-9.6	5115
13S/02E-36F01	M	10.0	12/21/84	15.0	-5.0	5115
14S/02E-03C01	M	10.6	12/12/84	38.1	-27.5	5115
14S/02E-03P01	M	14.3	12/12/84	11.8	2.5	5115
14S/02E-04A01	M	15.0	12/12/84	18.2	-3.2	5115
14S/02E-05C02	M	10.0	12/12/84	13.6	-3.6	5115
14S/02E-05E04	M	12.9	12/12/84	15.2	-2.3	5115
14S/02E-05K01	M	15.0	12/12/84	14.1	.9	5115
14S/02E-05P02	M	14.0	12/12/84	14.6	-.6	5115
14S/02E-06J03	M	13.0	12/12/84	12.6	.4	5115
14S/02E-07K01	M	13.5	12/12/84	13.0	.5	5115
14S/02E-08C03	M	14.0	12/12/84	14.3	-.3	5115
14S/02E-08M02	M	15.0	12/12/84	12.8	2.2	5115
14S/02E-10C01	M	20.0	12/11/84	22.3	-2.3	5115
14S/02E-10P01	M	23.0	12/11/84	21.9	1.1	5115
14S/02E-11G01	M	18.0	12/21/84	16.9	1.1	5115
14S/02E-12Q01	M	62.0	12/19/84	62.3	-.3	5115
14S/02E-14L01	M	23.3	12/11/84	25.0	-1.7	5115
14S/02E-15G01	M	24.0	12/21/84	25.1	-1.1	5115
14S/02E-15P01	M	30.0	12/11/84	22.1	7.9	5115
14S/02E-16E02	M	21.0	12/21/84	20.8	.2	5115
14S/02E-17A01	M	18.0	12/21/84	17.9	.1	5115
14S/02E-17R02	M	18.0	12/21/84	19.7	-1.7	5115
14S/02E-18D01	M		12/21/84	NM-6		5115
14S/02E-21J01	M	25.0	12/21/84	25.0	.0	5115
14S/02E-21L01	M	35.0	12/20/84	26.3	8.7	5115
14S/02E-22F01	M	24.5	12/11/84	23.5	1.0	5115
14S/02E-22N01	M	27.6	12/17/84	31.8	-4.2	5115
14S/02E-22P02	M	27.0	12/11/84	30.4	-3.4	5115
14S/02E-23A01	M	32.4	12/11/84	32.0	.4	5115
14S/02E-24J01	M	40.0	12/21/84	37.1	2.9	5115
14S/02E-26J03	M	30.0	12/11/84	29.5	.5	5115
14S/02E-26P01	M	29.0	12/11/84	22.1	6.9	5115
14S/02E-27G02	M	31.2	12/11/84	30.1	1.1	5115
14S/02E-28H02	M	23.0	12/20/84	27.0	-4.0	5115
14S/02E-34A01	M	31.5	12/20/84	31.3	.2	5115
14S/02E-34R01	M	31.4	12/10/84	32.1	-.7	5115
14S/02E-34R03	M	30.0	12/10/84	18.5	11.5	5115
14S/02E-35L02	M	28.0	12/20/84	28.3	-.3	5115
14S/02E-36E01	M	31.0	12/10/84	25.8	5.2	5115
14S/02E-36F01	M	35.0	12/10/84	26.6	8.4	5115
14S/03E-19G01	M	56.0	12/14/84	53.4	2.6	5115
14S/03E-19Q02	M	45.0	12/14/84	40.6	4.4	5115
14S/03E-30N01	M	38.0	12/19/84	31.3	6.7	5115
14S/03E-31F01	M	36.0	12/19/84	27.3	8.7	5115
14S/03E-31F02	M	37.0	12/19/84	29.2	7.8	5115
15S/02E-01A03	M	35.0	12/19/84	27.1	7.9	5115
15S/02E-01Q01	M	42.0	12/15/84	33.5	8.5	5115
15S/02E-02G01	M	30.0	12/14/84	32.7	-2.7	5115
15S/02E-02J01	M	43.9	12/14/84	35.2	5.7	5115
15S/02E-12A01	M	41.0	12/14/84	32.6	8.4	5115
15S/02E-12E02	M	41.0	12/14/84	34.0	7.0	5115
15S/03E-04K03	M	59.0	12/18/84	43.7	15.3	5115
15S/03E-05Q04	M	45.0	12/18/84	32.9	13.1	5115
15S/03E-06P02	M	33.0	12/19/84	29.0	4.0	5115
15S/03E-06K01	M	39.4	12/19/84	30.0	9.4	5115
15S/03E-07G01	M	47.5	12/14/84	35.7	11.8	5115
15S/03E-08F01	M	48.0	12/10/84	40.1	7.9	5115
15S/03E-08N03	M	47.4	12/10/84	35.2	12.2	5115
15S/03E-09E03	M	53.0	12/19/84	36.7	16.3	5115
15S/03E-13N01	M	65.0	11/26/84	44.7	20.3	5115
15S/03E-15R01	M	61.0	11/26/84	48.4	12.6	5115
15S/03E-16R03	M	57.0	11/26/84	40.1	16.9	5115
15S/03E-16M01	M	58.0	11/26/84	39.1	18.9	5115
15S/03E-18R01	M	44.0	12/10/84	31.9	12.1	5115
15S/03E-18C02	M	42.0	12/10/84	37.1	4.9	5115
15S/03E-18F01	M	47.0	12/13/84	32.4	14.6	5115
15S/03E-18M02	M	55.0	11/30/84 12/10/84	48.3 53.4	6.7 1.6	5115
15S/03E-22G01	M	65.2	12/26/84	40.2	25.0	5115
15S/03E-25Q01	M	72.0	12/26/84	42.2	29.8	5115
15S/03E-26F01	M	62.0	11/26/84	39.2	22.8	5115
15S/03E-28R01	M	50.0	11/26/84	36.0	14.0	5115
15S/04E-31A02	M	75.0	11/27/84	22.6	52.4	5115
16S/04E-02Q03	M	135.0	12/11/84	72.8	62.2	5115
16S/04E-04C01	M	87.0	11/27/84	31.2	55.8	5115
16S/04E-05M02	M	82.0	11/27/84	24.8	57.2	5115
16S/04E-08R01	M	83.0	11/27/84	24.4	58.6	5115
16S/04E-08J01	M	85.0	11/27/84	22.2	62.8	5115
16S/04E-09A01	M	99.0	11/27/84	29.8	69.2	5115
16S/04E-10P02	M	98.0	12/17/84	35.9	62.1	5115
16S/04E-13H01	M	120.0	12/17/84	46.9	73.1	5115
16S/04E-13R02	M	115.0	12/17/84	33.9	81.1	5115
16S/04E-15D01	M	98.0	11/29/84	31.4	66.6	5115
16S/04E-15R02	M	100.0	11/29/84	29.0	71.0	5115
16S/04E-16F01	M	104.0	11/29/84	31.5	72.5	5115
16S/04E-24C01	M	107.0	12/17/84	29.2	77.8	5115
16S/04E-25C01	M	114.0	11/27/84	29.8	84.2	5115
16S/04E-25R01	M	106.0	11/27/84	29.7	76.3	5115

TABLE D (CONTINUED)

WDIS GROUND WATER LEVELS AT WELLS

STATE WELL NUMBER	CO	GROUND SURFACE ELEVATION	DATE	GROUND TO WATER	WATER SURFACE ELEV.	AGENCY
T	CENTRAL COAST HB					
T-09	SALINAS HU					
T-09.A	LOWER SALINAS VALLEY HA					
16S/04E-25P01	M	100.0	12/17/84	12.8	87.2	5115
16S/04E-27B02	M	110.0	11/27/84	21.4	88.6	5115
16S/05E-19F01	M	117.0	11/27/84	34.8	82.2	5115
16S/05E-30E01	M	118.0	11/27/84	30.2	87.8	5115
16S/05E-30J02	M	125.0	11/29/84	32.1	92.9	5115
16S/05E-31M01	M	121.0	12/14/84	21.9	99.1	5115
17S/04E-01D01	M	155.0	11/30/84	54.0	101.0	5115
T-09.B	CHUALAR HA					
13S/02E-36J01	M	15.0	12/21/84	24.9	-9.9	5115
13S/03E-35N01	M	192.0	12/19/84	77.9	114.1	5115
14S/03E-02F03	M	161.0	12/10/84	55.8	125.2	5115
14S/03E-03K01	M	167.8	12/10/84	185.0	-17.2	5115
14S/03E-04F01	M	135.6	12/10/84	171.0	-35.4	5115
14S/03E-04N01	M	135.3	12/10/84	147.5	-12.2	5115
14S/03E-04Q01	M	141.3	12/10/84	109.0	32.3	5115
14S/03E-05B02	M	120.0	12/10/84	125.6	-5.6	5115
14S/03E-06L01	M	78.0	12/15/84	82.5	-4.5	5115
14S/03E-06L02	M	80.0	12/15/84	87.2	-7.2	5115
14S/03E-06R01	M	91.9	12/10/84	103.4	-11.5	5115
14S/03E-07A01	M	90.5	12/10/84	96.2	-5.7	5115
14S/03E-08C01	M	109.5	12/10/84	135.0	-25.5	5115
14S/03E-09P02	M	114.5	12/14/84	125.9	-11.4	5115
14S/03E-10F03	M	148.6	12/10/84	160.5	-11.9	5115
14S/03E-10Q01	M	142.4	12/10/84	155.5	-13.1	5115
14S/03E-10R02	M	141.4	12/10/84	153.5	-12.1	5115
14S/03E-11H01	M	142.3	12/19/84	51.9	90.4	5115
14S/03E-12E01	M	161.0	12/10/84	41.0	120.0	5115
14S/03E-14C01	M	139.8	12/10/84	160.4	-20.6	5115
14S/03E-14Q01	M	117.8	12/21/84	12.8	105.0	5115
14S/03E-14N01	M	102.0	12/11/84	122.0	-20.0	5115
14S/03E-15C01	M	129.5	12/11/84	139.7	-10.2	5115
14S/03E-15H03	M	124.0	12/10/84	135.0	-11.0	5115
14S/03E-16D01	M	106.5	12/14/84	71.4	35.1	5115
14S/03E-16E01	M	100.9	12/14/84	111.2	-10.3	5115
14S/03E-18J01	M	71.0	12/14/84	71.8	-.8	5115
14S/03E-22A01	M	100.0	12/11/84	123.5	-23.5	5115
14S/03E-24H01	M	156.0	12/14/84	197.3	-41.3	5115
14S/03E-24N01	M	139.1	12/14/84	169.0	-29.9	5115
14S/03E-24R01	M	173.3	12/14/84	206.8	-33.5	5115
14S/03E-25L01	M	125.0	12/19/84	140.2	-15.2	5115
14S/03E-25L02	M	126.0	12/14/84	149.6	-23.6	5115
14S/03E-27G02	M	80.0	12/14/84	69.9	10.1	5115
14S/03E-36A01	M	139.8	12/19/84	155.1	-15.3	5115
14S/03E-36P02	M	101.0	12/19/84	96.9	4.1	5115
14S/04E-30N01	M	155.0	12/19/84	181.6	-26.6	5115
14S/04E-30R01	M	158.0	12/19/84	197.2	-39.2	5115
14S/04E-31F01	M	157.0	12/19/84	188.4	-31.4	5115
15S/03E-02Q01	M	71.0	12/19/84	49.3	21.7	5115
15S/03E-12E02	M	70.0	12/17/84	65.0	5.0	5115
15S/03E-12F02	M	64.0	12/18/84	28.6	35.4	5115
15S/04E-05C01	M	113.0	12/04/84	135.5	-22.5	5115
15S/04E-05M01	M	101.9	12/04/84	99.0	2.9	5115
15S/04E-06P01	M	92.5	12/04/84	84.3	8.2	5115
15S/04E-07A01	M	87.9	12/04/84	80.8	7.1	5115
15S/04E-07K01	M	81.0	12/07/84	44.0	37.0	5115
15S/04E-07R02	M	78.0	12/07/84	54.5	23.5	5115
15S/04E-08C01	M	95.3	12/04/84	90.4	4.9	5115
15S/04E-08G01	M	104.6	12/07/84	93.5	11.1	5115
15S/04E-09N01	M	88.0	12/07/84	70.0	18.0	5115
15S/04E-09Q01	M	112.8	12/06/84	102.6	10.2	5115
15S/04E-09D01	M	127.0	12/06/84	153.0	-26.0	5115
15S/04E-09J01	M	180.0	12/06/84	189.0	-9.0	5115
15S/04E-09M01	M	136.0	12/05/84	139.5	-3.5	5115
15S/04E-14N01	M	240.0	12/07/84	222.0	18.0	5115
15S/04E-15D02	M	185.0	12/07/84	189.5	-4.5	5115
15S/04E-15P02	M	205.0	12/17/84	365.3	-160.3	5115
15S/04E-16D01	M	146.5	12/17/84	130.7	15.8	5115
15S/04E-16E02	M	146.7	12/04/84	129.7	17.0	5115
15S/04E-17P02	M	95.0	12/04/84	70.7	24.3	5115
15S/04E-19D02	M	70.0	11/27/84	57.2	12.8	5115
15S/04E-20B02	M	98.0	12/04/84	62.7	35.3	5115
15S/04E-21F04	M	125.0	12/07/84	101.5	23.5	5115
15S/04E-21L02	M	142.0	12/11/84	101.0	41.0	5115
15S/04E-22L02	M	186.0	12/07/84	155.5	30.5	5115
15S/04E-24N03	M	272.0	12/17/84	238.9	33.1	5115
15S/04E-27C01	M	189.0	11/30/84	150.0	39.0	5115
15S/04E-29D01	M	90.0	11/27/84	53.0	37.0	5115
15S/04E-29Q01	M	80.0	11/27/84	39.7	40.3	5115
15S/04E-29R01	M	85.0	11/27/84	39.4	45.6	5115
15S/04E-33A01	M	125.0	11/30/84	87.5	37.5	5115
15S/04E-34L01	M	132.0	12/02/84	84.0	48.0	5115
15S/04E-36H01	M	325.0	12/04/84	280.5	44.5	5115
15S/04E-36P01	M	255.0	12/02/84	195.5	59.5	5115
15S/04E-36R02	M	298.0	12/02/84	229.6	68.4	5115
16S/04E-01L01	M	196.0	12/11/84	129.4	66.6	5115
16S/05E-05N01	M	247.0	12/11/84	199.6	47.4	5115
16S/05E-07G01	M	193.0	12/11/84	118.3	74.7	5115
16S/05E-17P01	M	165.0	12/11/84	89.5	76.5	5115
16S/05E-17R01	M	181.0	12/11/84	106.5	74.5	5115
16S/05E-20G02	M	161.0	12/14/84	82.5	78.5	5115
16S/05E-20P01	M	170.0	12/14/84	92.2	77.8	5115
16S/05E-21R01	M	238.0	12/02/84	154.9	83.1	5115
16S/05E-27D01	M	253.0	12/02/84	171.0	82.0	5115
16S/05E-28D01	M	168.0	11/27/84	85.9	82.1	5115
16S/05E-28P01	M	177.0	12/14/84	95.3	81.7	5115
T-09.C	SOLEDAD HA					
16S/05E-31D01	M	124.0	11/30/84	24.2	99.8	5115
16S/05E-32R02	M	129.0	11/27/84	33.3	95.7	5115
16S/05E-32C01	M	126.0	11/27/84	33.2	92.8	5115
16S/05E-32F01	M	122.0	12/14/84	29.3	92.7	5115
16S/05E-32H02	M	135.0	11/27/84	38.5	97.5	5115
16S/05E-32M01	M	125.0	11/27/84	28.0	97.0	5115
16S/05E-33D01	M	138.0	11/27/84	38.5	99.5	5115
17S/05E-01Q01	M	247.0	12/13/84	160.4	86.6	5115
17S/05E-02N02	M	185.0	11/30/84	64.9	120.1	5115
17S/05E-02N04	M	165.0	11/30/84	53.5	111.5	5115
17S/05E-03L01	M	153.0	12/14/84	41.2	111.8	5115
17S/05E-04K01	M	140.0	12/03/84	30.7	109.3	5115
17S/05E-04N01	M	122.0	11/20/84	14.5	107.5	5115
17S/05E-04R01	M	137.0	12/03/84	28.6	108.4	5115

TABLE 0 (CONTINUED)

WDIS GROUND WATER LEVELS AT WELLS

STATE WELL NUMBER	CO	GROUND SURFACE ELEVATION	DATE	GROUND TO WATER	WATER SURFACE ELEV.	AGENCY
T	CENTRAL COAST HR					
T-09	SALINAS HU					
T-09.C	SOLEDAD HA					
17S/05E-05G01	M	118.0	12/03/84	13.6	104.4	5115
17S/05E-06D01	M	115.0	12/14/84	10.8	104.2	5115
17S/05E-09P01	M	135.0	12/14/84	16.0	119.0	5115
17S/05E-10D01	M	146.0	12/07/84	23.8	122.2	5115
17S/05E-12F01	M	170.0	12/13/84	59.9	110.2	5115
17S/05E-13E01	M	160.0	12/04/84	34.0	126.0	5115
17S/05E-14D01	M	148.0	12/03/84	23.3	124.7	5115
17S/05E-21A01	M	137.0	12/03/84	9.0	128.0	5115
17S/05E-24G01	M	168.0	12/04/84	28.5	139.5	5115
17S/05E-25L01	M	160.0	12/04/84	22.2	137.8	5115
17S/05E-27A01	M	260.0	12/04/84	119.0	141.0	5115
17S/05E-36F02	M	162.0	12/04/84	21.8	140.2	5115
17S/05E-36J01	M	167.0	11/29/84	16.9	150.1	5115
17S/05E-16N01	M	226.0	11/29/84	96.1	129.9	5115
17S/06E-18G01	M	188.0	11/30/84	76.5	111.5	5115
17S/05E-19D01	M	170.0	11/30/84	32.5	137.5	5115
17S/06E-20F02	M	173.0	11/29/84	25.0	148.0	5115
17S/06E-21N01	M		11/29/84	NM-4		5115
17S/06E-27E03	M	236.0	11/28/84	81.5	154.5	5115
17S/06E-27K01	M	240.0	11/28/84	78.5	161.5	5115
17S/06E-28B01	M	205.0	11/29/84	52.0	153.0	5115
17S/05E-28K01	M	190.0	11/29/84	32.0	158.0	5115
17S/06E-29C01	M	177.5	12/04/84	28.1	149.4	5115
17S/06E-29K01	M	180.0	11/30/84	29.0	151.0	5115
17S/06E-29Q01	M	166.0	11/30/84	13.5	152.5	5115
17S/06E-30F01	M	175.0	11/30/84	37.5	137.5	5115
17S/06E-34F01	M	180.0	11/29/84	13.5	166.5	5115
17S/06E-35F01	M	227.0	12/13/84	62.6	164.4	5115
17S/06E-35J01	M	192.0	11/29/84	15.5	176.5	5115
18S/06E-14P01	M	231.0	12/06/84	35.0	196.0	5115
18S/06E-15F01	M	215.0	12/05/84	30.2	184.8	5115
18S/06E-15M01	M	277.0	12/05/84	93.8	183.2	5115
18S/06E-16L01	M	305.0	12/13/84	129.2	175.8	5115
18S/06E-25F01	M	255.0	12/06/84	55.1	199.9	5115
18S/06E-27A01	M	250.0	12/05/84	51.0	199.0	5115
18S/06E-27C01	M	339.0	12/13/84	155.3	183.7	5115
18S/06E-34A01	M	345.0	12/05/84	68.6	276.4	5115
18S/06E-34R01	M	345.0	12/05/84	142.3	202.7	5115
18S/07E-16P01	M	226.0	11/29/84	21.8	204.2	5115
18S/07E-17D01	M	201.0	11/28/84	12.0	189.0	5115
18S/07E-19C02	M	210.0	11/28/84	31.5	178.5	5115
18S/07E-28K01	M	240.0	11/28/84	33.0	207.0	5115
18S/07E-29M01	M	270.0	11/28/84	34.0	236.0	5115
18S/07E-34P02	M	245.0	11/28/84	21.0	224.0	5115
19S/06E-01H01	M	319.0	12/06/84	105.0	214.0	5115
19S/06E-03E02	M	395.0	12/05/84	195.6	199.4	5115
19S/06E-11C01	M	375.0	12/13/84	178.6	196.4	5115
19S/06E-12F01	M	351.0	12/13/84	140.7	210.3	5115
19S/07E-04Q01	M	257.0	11/27/84	30.3	226.7	5115
19S/07E-05R02	M	259.0	11/27/84	43.6	215.4	5115
19S/07E-05J01	M	268.0	11/29/84	49.8	218.2	5115
19S/07E-06P01	M	299.0	12/07/84	90.8	208.2	5115
19S/07E-08D01	M	292.0	11/29/84	73.2	218.8	5115
19S/07E-08N01	M	357.0	12/13/84	134.5	222.5	5115

STATE WELL NUMBER	CO	GROUND SURFACE ELEVATION	DATE	GROUND TO WATER	WATER SURFACE ELEV.	AGENCY
T	CENTRAL COAST HR					
T-09	SALINAS HU					
T-09.D	UPPER SALINAS VALLEY HA					
19S/07E-01N01	M	255.0	11/27/84	23.5	231.5	5115
19S/07E-03H02	M	252.0	11/27/84	28.7	223.3	5115
19S/07E-10P01	M	315.0	12/12/84	81.4	233.6	5115
19S/07E-13D01	M	260.0	11/27/84	28.6	231.4	5115
19S/07E-14N01	M	329.0	12/12/84	92.4	236.6	5115
19S/07E-16D01	M	396.0	12/13/84	166.7	229.3	5115
19S/07E-20A01	M	500.0	12/12/84	279.2	220.8	5115
19S/07E-22D01	M	423.0	12/12/84	174.8	248.2	5115
19S/07E-24H02	M	272.0	11/27/84	23.0	249.0	5115
19S/07E-27A01	M	375.0	11/27/84	15.5	359.5	5115
19S/08E-19K02	M	280.0	11/27/84	24.0	256.0	5115
19S/08E-27N03	M	393.0	12/12/84	102.6	290.4	5115
19S/08E-31B01	M	298.0	11/26/84	38.5	259.5	5115
19S/08E-33J02	M	379.0	12/12/84	86.4	292.6	5115
20S/08E-05C01	M	323.0	11/27/84 12/12/84	59.4 25.6	263.6 297.4	5115
20S/08E-05P03	M	337.0	11/27/84	64.5	272.5	5115
20S/08E-06K01	M	314.0	11/27/84	48.5	265.5	5115
20S/08E-07F01	M	291.0	11/27/84	22.0	269.0	5115
20S/08E-09M01	M	302.0	11/27/84	33.7	268.3	5115
20S/08E-14K01	M	330.0	12/12/84	61.0	269.0	5115
20S/08E-10C01	M	310.0	12/12/84	26.2	283.8	5115
20S/08E-25001	M	335.0	12/12/84	22.0	313.0	5115
20S/08E-34G01	M	456.0	12/12/84	37.8	418.2	5115
20S/09E-32J01	M	485.0	12/12/84	211.2	273.8	5115
21S/09E-16R01	M	405.0	11/30/84	17.0	388.0	5115
21S/09E-17Q01	M	450.0	11/30/84	107.5	342.5	5115
21S/09E-23G01	M	386.0	11/30/84	23.4	362.6	5115
21S/09E-24L01	M	397.0	11/20/84	32.9	364.1	5115
21S/10E-30P01	M	430.0	11/30/84	55.9	374.1	5115
21S/10E-32N01	M	400.0	11/30/84	21.8	378.2	5115
22S/10E-09P01	M	463.0	11/30/84	67.7	395.3	5115
22S/10E-16K01	M	472.0	11/30/84	75.0	397.0	5115
22S/10E-16P01	M	425.0	11/20/84	24.0	401.0	5115
22S/10E-21R01	M	421.0	11/30/84	12.9	408.1	5115
22S/10E-22D02	M	465.0	11/30/84	62.2	403.8	5115
22S/10E-34G01	M	475.0	11/20/84	57.9	418.1	5115
T-09.H	PASO ROBLES HSA					
27S/15E-19M01	M	1260.0	10/22/84 04/23/85	187.7 171.3	1072.3 1088.7	5117
28S/16E-15D01	M	1403.5	10/25/84 04/23/85	154.7 159.9	1248.8 1243.6	5117
29S/16E-05F02	M	1383.0	04/24/85	29.6	1353.4	5117
T-09.H1	ATASCADERO HSA					
24S/11E-25N01	M	603.3	10/18/84	35.7	567.6	5117
24S/11E-33R01	M	565.0	10/18/84	32.0	533.0	5117
24S/11E-35D01	M	570.6	10/18/84	33.1	537.5	5117
24S/11E-35J01	M	616.8	10/15/84	60.0	556.8	5117
24S/12E-23G01	M	1160.0	10/15/84 04/29/85	88.5 88.3	1071.5 1071.7	5117
25S/11E-09M01	M	600.0	10/15/84	54.1	545.9	5117
25S/11E-35G01	M	880.0	10/12/84 05/02/85	38.5 39.7	841.5 840.3	5117
25S/12E-08G01	M	585.0	10/15/84	36.4	548.6	5117
25S/12E-08R02	M	590.0	10/15/84	20.2	569.8	5117
25S/12E-16D01	M	605.0	10/15/84	44.3	560.7	5117
25S/12E-17R01	M	640.0	10/15/84	67.9	572.1	5117

WDIS GROUND WATER LEVELS AT WELLS

STATE WELL NUMBER	CO	GROUND SURFACE ELEVATION	DATE	GROUND TO WATER	WATER SURFACE ELEV.	AGENCY
T	CENTRAL COAST HB					
T-09	SALINAS HU					
T-09,H	PASO ROBLES HA					
T-09,H1	ATASCADERO HSA					
25S/12E-20D02	M	680.0	10/15/84	75.8	604.2	5117
26S/12E-04N01	M	675.0	10/12/84	46.5	628.5	5117
			05/01/85	43.1	631.9	
26S/12E-06R02	M	680.0	10/12/84	26.7	653.3	5117
			05/02/85	20.1	659.9	
26S/12E-07F02	M	867.0	10/24/84	32.9	834.1	5117
			05/02/85	25.5	841.5	
26S/12E-09H02	M	668.0	10/15/84	15.1	652.9	5117
26S/12E-11D01	M	761.0	05/01/85	164.0	597.0	5117
26S/12E-14G01	M	785.0	10/12/84	176.8	608.2	5117
26S/12E-15N01	M	770.0	10/10/84	31.4	738.6	5117
			05/01/85	118.0	652.0	
26S/12E-21L01	M	660.0	10/10/84	13.5	646.5	5117
26S/12E-22P02	M	820.0	10/10/84	173.0	647.0	5117
26S/12E-26D01	M	829.0	10/10/84	190.6	638.4	5117
			05/01/85	185.5	643.5	
26S/12E-26E01	M	840.0	10/10/84	186.8	653.2	5117
26S/12E-26F07	M	834.0	10/10/84	162.7	671.3	5117
			05/01/85	160.1	673.9	
26S/13E-07C01	M	799.0	10/12/84	121.0	678.0	5117
			04/01/85	112.6	686.4	
26S/13E-28L02	M	979.5	10/08/84	225.7	753.8	5117
			04/26/85	233.1	746.4	
26S/13E-30B01	M	934.0	10/12/84	222.7	711.3	5117
			10/18/84	207.5	726.5	
			05/01/85	223.1	710.9	
26S/13E-34R01	M	1005.0	10/18/84	208.5	796.5	5117
			04/26/85	204.5	800.5	
27S/12E-03J01	M	785.0	10/15/84	123.4	661.6	5117
			04/30/85	114.8	670.2	
27S/12E-04E04	M	700.0	10/15/84	19.6	680.4	5117
			04/30/85	15.8	684.2	
27S/12E-09M02	M	940.0	10/17/84	24.0	916.0	5117
27S/12E-16J01	M	720.0	10/10/84	11.4	708.6	5117
			04/30/85	7.8	712.2	
27S/12E-21B01	M	745.0	10/14/84	13.8	731.2	5117
			04/22/85	11.3	733.7	
			09/30/85	14.4	730.6	
27S/12E-21C01	M	740.0	10/14/84	12.6	727.4	5117
			04/22/85	10.7	729.3	
			09/30/85	13.4	726.6	
27S/12E-21N04	M	750.0	10/05/84	7.8	742.2	5117
			04/30/85	4.4	745.6	
27S/12E-21N05	M	737.0	10/05/84	9.5	727.5	5117
27S/12E-22M01	M	860.0	10/10/84	64.8	795.2	5117
			09/30/85	86.7	763.3	
27S/12E-29N01	M	838.5	10/05/84	51.0	787.5	5117
			04/11/85	45.7	792.8	
			09/30/85	48.2	790.3	
27S/12E-29P04	M	750.0	10/05/84	10.7	739.3	5117
			04/11/85	8.9	741.1	
27S/12E-32C07	M	758.5	10/05/84	10.0	748.5	5117
27S/12E-32P04	M	810.0	10/05/84	9.5	800.5	5117
			04/11/85	5.8	804.2	
			09/30/85	5.7	804.3	
27S/12E-33E01	M	900.0	04/22/85	124.5	775.5	5117
27S/12E-33G01	M	860.0	04/22/85	132.2	727.8	5117
27S/13E-09K01	M	885.0	10/23/84	.0	885.0	5117
			04/24/85	.0	885.0	
27S/13E-09P01	M	900.0	10/23/84	24.0	876.0	5117
			04/24/85	19.0	881.0	
27S/13E-22Q01	M	1043.0	10/23/84	104.1	938.9	5117
			04/24/85	106.7	936.3	
27S/13E-23R02	M	1040.0	04/24/85	109.8	930.2	5117
27S/13E-27P02	M	1054.5	10/23/84	144.7	909.8	5117
27S/13E-28F01	M	1072.0	10/23/84	159.9	912.1	5117
			04/24/85	131.4	940.6	
27S/13E-33L01	M	1180.0	10/23/84	127.1	1052.9	5117
			04/24/85	132.0	1048.0	
27S/13E-36R01	M	1098.5	10/23/84	25.9	1072.6	5117

STATE WELL NUMBER	CO	GROUND SURFACE ELEVATION	DATE	GROUND TO WATER	WATER SURFACE ELEV.	AGENCY
T	CENTRAL COAST HB					
T-09	SALINAS HU					
T-09,H	PASO ROBLES HA					
T-09,H1	ATASCADERO HSA					
27S/14E-29G01	M	1200.0	10/23/84	158.6	1041.4	5117
			04/24/85	139.6	1060.4	
28S/12E-03R01	M	860.0	10/10/84	91.9	768.1	5117
			04/23/85	68.5	791.5	
			09/30/85	94.4	765.6	
28S/12E-04J02	M	792.0	10/17/84	29.2	762.8	5117
28S/12E-05R01	M	770.0	10/05/84	7.9	762.1	5117
			04/15/85	4.1	765.9	
			09/30/85	9.5	760.5	
28S/12E-05R02	M	780.0	10/05/84	15.0	765.0	5117
			04/15/85	10.4	769.6	
			09/30/85	16.2	763.8	
28S/12E-10P01	M	815.0	10/17/84	31.7	784.3	5117
			07/10/85	30.2	784.8	
28S/12E-13D02	M	960.0	10/05/84	107.9	852.1	5117
			04/10/85	104.7	855.3	
28S/12E-14R03	M	828.0	10/05/84	23.0	805.0	5117
			04/10/85	15.4	812.6	
			09/30/85	25.9	802.1	
28S/12E-14R04	M	840.0	10/05/84	27.2	812.8	5117
			04/10/85	18.9	821.1	
			09/30/85	30.6	809.4	
28S/12E-14R02	M	840.0	04/10/85	18.4	821.6	5117
			09/30/85	19.8	820.2	
28S/12E-24C02	M	861.7	10/05/84	14.5	847.2	5117
			04/10/85	5.8	855.9	
28S/12E-25P01	M	877.0	10/02/84	15.9	861.1	5117
			04/10/85	13.9	863.1	
			09/30/85	18.1	858.9	
28S/13E-04K01	M	1190.5	10/23/84	33.1	1166.4	5117
			04/24/85	14.3	1185.2	
28S/13E-04K02	M	1195.0	10/23/84	62.6	1132.4	5117
28S/13E-13D01	M	1180.0	10/23/84	4.2	1175.8	5117
28S/13E-14J01	M	1190.0	10/23/84	9.8	1180.2	5117
			04/24/85	12.1	1177.9	
28S/13E-31L01	M	921.0	10/02/84	64.4	856.6	5117
			04/10/85	57.6	863.4	
			09/30/85	66.5	854.5	
28S/13E-31L02	M	985.0	10/02/84	72.1	912.9	5117
			04/10/85	64.2	920.8	
			09/30/85	76.5	908.5	
28S/13E-31R02	M	893.7	10/02/84	17.4	876.3	5117
			04/09/85	12.5	881.2	
			09/30/85	18.2	875.5	
28S/13E-32N05	M	888.5	10/02/84	14.4	874.1	5117
			04/09/85	13.8	874.7	
28S/14E-19P01	M	1190.0	10/23/84	14.4	1175.6	5117
			04/24/85	2.0	1188.0	
29S/13E-05F03	M	916.1	10/02/84	21.3	894.8	5117
			04/09/85	19.3	896.8	
29S/13E-05K02	M	928.5	10/02/84	16.1	912.4	5117
			04/09/85	12.6	915.9	
			09/30/85	18.7	909.8	
29S/13E-08F01	M	950.0	10/02/84	16.3	933.7	5117
			04/09/85	11.7	938.3	
			09/30/85	20.9	929.1	
29S/13E-08M01	M	945.0	10/05/84	9.9	935.1	5117
			04/09/85	5.9	939.1	
			09/30/85	9.6	935.4	
29S/13E-08M04	M	1002.6	10/02/84	41.5	961.1	5117
			04/09/85	13.5	989.1	
			09/30/85	11.3	991.3	
29S/13E-19H01	M	1002.0	10/02/84	16.1	985.9	5117
29S/14E-04E01	M	1387.0	04/24/85	29.8	1357.2	5117
29S/14E-04E02	M	1387.0	04/24/85	28.2	1358.8	5117
29S/14E-04P01	M	1410.0	04/24/85	40.6	1369.4	5117
29S/14E-04P02	M	1410.0	04/24/85	38.7	1371.3	5117
29S/14E-05F01	M	1378.0	04/24/85	27.2	1350.8	5117
T-09,H2	NACIMIENTO RESERVOIR HSA					
25S/12E-28N01	M	630.0	10/16/84	22.7	616.3	5117
25S/12E-29N01	M	695.0	10/12/84	140.9	554.1	5117
25S/12E-32K01	M	680.0	10/12/84	71.0	609.0	5117
			05/02/85	63.7	616.3	

TABLE D (CONTINUED)

WDIS GROUND WATER LEVELS AT WELLS

STATE WELL NUMBER	CO	GROUND SURFACE ELEVATION	DATE	GROUND TO WATER	WATER SURFACE ELEV.	AGENCY
T CENTRAL COASTAL HB						
T-09 SALINAS HU						
T-09J PAJO HA						
30S/15E-21C01	M	1465.0	10/26/84	13.4	1451.6	5117
			04/24/85	11.2	1453.8	
30S/15E-21D01	M	1460.0	10/26/84	12.0	1448.0	5117
			04/24/85	11.1	1448.9	
T-09,K ESTRELLA HA						
24S/15E-17F01	M	1320.0	10/24/84	71.5	1248.5	5117
24S/15E-17F02	M	1310.0	10/24/84	73.2	1236.8	5117
24S/15E-27L01	M	1211.5	10/24/84	24.8	1186.7	5117
24S/13E-33C02	M	1225.0	10/24/84	12.0	1213.0	5117
25S/12E-26K01	M	749.0	10/16/84	136.0	613.0	5117
25S/12E-26K02	M	749.0	10/16/84	158.2	590.8	5117
			04/24/85	190.7	558.3	
25S/12E-26L01	M	878.0	10/16/84	184.5	693.5	5117
25S/13E-11E01	M	1185.0	10/24/84	31.6	1153.4	5117
25S/13E-19P01	M	915.0	10/16/84	174.5	740.5	5117
25S/16E-17L01	M	1165.0	10/24/84	30.0	1135.0	5117
25S/16E-30M01	M	1218.0	10/24/84	68.4	1149.6	5117
26S/13E-05F01	M	739.0	10/18/84	17.4	721.6	5117
26S/13E-10C01	M	800.0	10/18/84	94.7	705.3	5117
26S/13E-11F02	M	820.0	10/18/84	44.3	775.7	5117
26S/14E-04N01	M	1140.0	10/22/84	262.0	878.0	5117
26S/14E-17E01	M	1000.0	10/22/84	110.7	889.3	5117
26S/14E-11J01	M	979.5	10/22/84	105.1	874.4	5117
26S/14E-24R01	M	1000.0	10/24/84	46.9	953.1	5117
			04/30/85	54.5	945.5	
26S/14E-35C02	M	1038.0	10/22/84	25.2	1012.8	5117
			04/24/85	24.4	1013.6	
26S/15E-02B01	M	1115.0	10/24/84	29.4	1085.6	5117
26S/15E-02N01	M	1093.0	10/24/84	122.6	970.4	5117
26S/15E-16R02	M	1068.0	10/24/84	124.1	943.9	5117
26S/15E-16R03	M	1068.0	10/24/84	102.4	965.6	5117
26S/15E-19P02	M	1060.0	10/17/84	55.6	994.4	5117
			04/29/85	64.7	985.3	
26S/15E-17K01	M	1038.0	10/22/84	68.1	969.9	5117
26S/15E-18J01	M	1022.5	10/22/84	71.1	951.4	5117
26S/15E-18K01	M	1029.0	10/22/84	80.2	948.8	5117
26S/15E-20R02	M	1030.0	10/22/84	62.3	967.7	5117
			04/18/85	83.5	946.5	
26S/15E-20F01	M	1057.7	10/22/84	63.7	994.0	5117
			04/30/85	56.4	1001.3	
26S/15E-21F01	M	1040.0	10/22/84	49.3	990.7	5117
			04/29/85	69.4	970.6	
26S/15E-21G02	M	1800.0	10/22/84	66.1	1733.9	5117
26S/15E-29H01	M	1113.0	04/30/85	152.2	960.8	5117
26S/15E-29N01	M	1133.0	10/22/84	109.1	1024.9	5117
			04/30/85	112.0	1021.0	
26S/15E-30J01	M	1123.0	10/22/84	116.3	1006.7	5117
26S/15E-33C01	M	1100.0	10/25/84	67.4	1032.6	5117
			04/23/85	69.9	1030.1	
26S/15E-33D01	M	1101.5	10/25/84	70.3	1031.2	5117
			04/23/85	68.2	1033.3	
26S/15E-34P02	M	1129.0	10/25/84	69.6	1059.4	5117
			04/23/85	67.8	1061.2	
27S/14E-11G02	M	1121.0	10/22/84	128.1	992.9	5117
27S/14E-11R01	M	1150.0	10/22/84	100.9	1049.1	5117
27S/14E-24R01	M	1180.0	10/23/84	171.9	1008.1	5117
27S/14E-25A01	M	1225.0	10/23/84	135.0	1090.0	5117
27S/14E-25J01	M	1250.0	10/23/84	102.4	1147.6	5117
27S/15E-03E01	M	1120.0	04/23/85	81.3	1038.7	5117
27S/15E-10R02	M	1130.0	10/25/84	82.6	1047.4	5117
			04/23/85	81.9	1048.1	
27S/15E-14M01	M	1159.5	10/25/84	100.1	1059.4	5117

STATE WELL NUMBER	CO	GROUND SURFACE ELEVATION	DATE	GROUND TO WATER	WATER SURFACE ELEV.	AGENCY
T CENTRAL COAST HB						
T-09 SALINAS HU						
T-09,K ESTRELLA HA						
27S/15E-35F01	M	1230.0	10/25/84	50.5	1179.5	5117
			04/23/85	40.6	1189.4	
27S/16E-07P01	M	1224.5	10/25/84	64.9	1159.6	5117
			04/23/85	65.9	1158.6	
27S/16E-21E01	M	1260.0	10/25/84	66.4	1193.6	5117
			04/23/85	63.1	1196.9	
28S/15E-24E02	M	1338.5	04/23/85	51.0	1287.5	5117
28S/16E-14G01	M	1440.0	10/25/84	214.8	1225.2	5117
28S/16E-14N01	M	1440.0	10/25/84	79.6	1361.4	5117
			04/23/85	76.7	1363.3	
28S/16E-14Q01	M	1440.0	10/25/84	52.3	1387.7	5117
			04/23/85	49.2	1390.8	
28S/16E-23P01	M	1440.0	04/23/85	49.6	1390.4	5117
29S/16E-02R01	M	1541.0	10/26/84	17.6	1523.4	5117
			04/23/85	24.5	1516.5	

APPENDIX E

GROUND WATER QUALITY

APPENDIX E
GROUND WATER QUALITY

Appendix E presents the results of chemical analyses of ground water samples collected in the Central Coastal Area from October 1, 1984 to September 30, 1985. The data are grouped in four categories:

Table	Title
E-1	Mineral Analyses of Ground Water
E-2	Minor Element Analyses of Ground Water
E-3	Supplemental Minor Element Analyses of Ground Water
E-4	Nutrient Analyses of Ground Water

Ground water quality stations are listed in the tables by ascending areal code. The areal code is explained on page 2. Areal code numbers appear in the tables to the left of the hydrologic area names, and the data listed thereunder are in that hydrologic area. The number of quality stations precludes plotting each individual well on maps in this publication. Instead, Figure 7 shows the location of the ground water basins in which the water samples were taken.

To facilitate station location, the cross references on the following page relate hydrologic areas to the ground water basins shown on Figure 7 and lists the respective areal codes. The location and definition of any hydrologic area may be determined by entering Figure 2 (page 4) with the respective areal code. The cross reference also lists the page numbers on which the analyses may be found. (The number of pages referenced indicates the extent of analyses for each station.)

The location of a well can be approximated by the well number. The numbering system for the wells is described in Appendix D, page 49.

In order to increase the amount of information in the water quality tables, some columns have multiple headings, and data are tabulated respectively. For example, the first column of Table E-1 shows the date of sampling printed above the time of sampling so the data are tabulated in that order. If a part of the values for a multiple heading column are obtained, they will appear in the column with respect to the heading positions. If dashes (or no data) appear in a column, it means no data were obtained.

Abbreviations and codes used in the tables are explained at the beginning of each table.

APPENDIX E CROSS REFERENCE
GROUND WATER BASIN—AREAL CODE

Ground Water Basin No.	Name	Hydrologic Area*		Areal Code **	Analyses on page
		SAN FRANCISCO BAY	HB		
		SAN MATEO	HU		
		San Mateo Coastal	HA		
2-36	San Pedro Valley	Pacifica	HSA	E02.B1	78
		Tunitas Creek	HSA	E02.B3	78
2-24	San Gregorio Valley	San Gregorio Cr	HA	E02.C	78
		Pescadero Creek	HA	E02.D	78
		SOUTH BAY	HU		
2-9.01	East Bay Area	East Bay Cities	HU	E04.B	78
2-7	San Ramon Valley	Alameda Creek	HA	E04.C0	78
2-10	Livermore Valley				
2-11	Sunol Valley				
2-9.02	South Bay Area	San Mateo Bayside	HA	E04.D0	79,103
2-32	Visitation Valley				
2-33	Islais Valley				
2-34	San Francisco Dune Area				
		SANTA CLARA	HU		
2-9.01	East Bay Area	Freemont Bayside	HA	E-05.B0	79
2-9	Santa Clara Valley	Coyote Creek	HA	E05.C0	80, 103, 111,115
		SAN PABLO	HU		
2-28	Ross Valley	Novato	HA	F06.B	87
2-29	San Rafael Valley				
2-30	Novato Valley				
2-1	Petaluma Valley	Petaluma River	HA	E-06.C	87
2-18.01	Santa Rosa Plain				
2-30	Novato Valley				
2-2.02	Sonoma Valley	Sonoma Creek	HA	E-06.D	87
2-19	Kenwood Valley				
2-2	Napa-Sonoma Valley	Napa River	HA	E-06.E	87
2-201	Napa Valley				
2-23	Napa-Sonoma Volcanics Highlands				
		SUISUN	HU		
2-3	Suisun-Fairfield Valley	Fairfield	HA	E-07.B	88
2-23	Napa-Sonoma Volcanics Highlands				
2-3	Suisun-Fairfield Valley	Benicia	HSA	E-07.B1	88
2-23	Napa-Sonoma Volcanics Highlands				
2-23	Napa-Sonoma Volcanics Highlands	Suisun Creek	HSA	E-07.B2	88
2-3	Suisun Fairfield Valley	Suisun Slu	HSA	E-07.B3	88
		Concord	HA		
2-4	Pittsburg Plain	Pittsburg	HSA	E-07.C1	89
2-5	Clayton Valley				
2-6	Ygnacio Valley	Martinez	HSA	E-07.C3	89
2-31	Arroyo del Hambre Valley				

Ground Water Basin No.	Name	Hydrologic Area*		Areal Code **	Analyses on page
		NORTH COAST	HB		
		MENDOCINO COAST			
1-21	Fort Bragg Terrace Area	Moyo River	HA	F-13.B0	90
1-45	Big River Valley	Big River	HA	F-13.C0	90
1-19	Anderson Valley	Navarro River	HA	F-13.E0	90
1-46	Navarro River Valley				
		Point Arena	HA		
1-20	Garcia River Valley	Brush Creek	HSA	F-13.F4	90
1-20	Garcia River Valley	Garcia River	HA	F-13.G	90
		RUSSIAN RIVER	HU		
		Middle Russian River	HA		
2-17	Alexander Valley	Geyserville	HSA	F-14.B5	90
2-17.01	Alexander Area				
2-17.02	Cloverdale Area				
		Upper Russian River	HA		
2-15	Ukiah Valley	Ukiah	HA	F-14.C1	91
2-16	Sanel Valley				
2-14	Potter Valley	Coyote Valley	HSA	F-14.C2	91
2-15	Ukiah Vaalley	Forsythe Creek	HSA	F-14.C3	91
		CENTRAL COAST	HB		
		PAJARO RIVER	HU		
3-2	Pajaro Valley	Watsonville	HA	T-05.A	92
3-3	Gilroy Hollister Valley	South Santa Clara Valley	HA	T-05.C	92, 111
3-4.09	Langley Area	BOLSA NUEVA	HU	T-06	94
3-7	Carmel Valley	CARMEL RIVER	HU	T-07	95
		SALINAS	HU		
3-4	Salinas Valley	Lower Salinas Valley	HA	T-09.A	96
3-4	Salinas Valley	Chular	HA	T-09.B	97
3-4	Salinas Valley	Soledad	HA	T09.C	97
3-4	Salinas Valley	Upper Salinas Valley	HA	T-09.D	98
3-4.08	Seaside Area	Monterey Peninsula	HA	T-09.E	99,
3-4.10	Corral de Tierra Area				
3-30	Bitter Water Valley	Gabilan Range	HA	T-09.G	99
3-32	Peach Tree Valley				
		Paso Robles	HA	T-09.H	100
3-6	Lockwood Valley	Atascadero	HSA	T-09.H1	100

*See page 2.
**See figure 2.

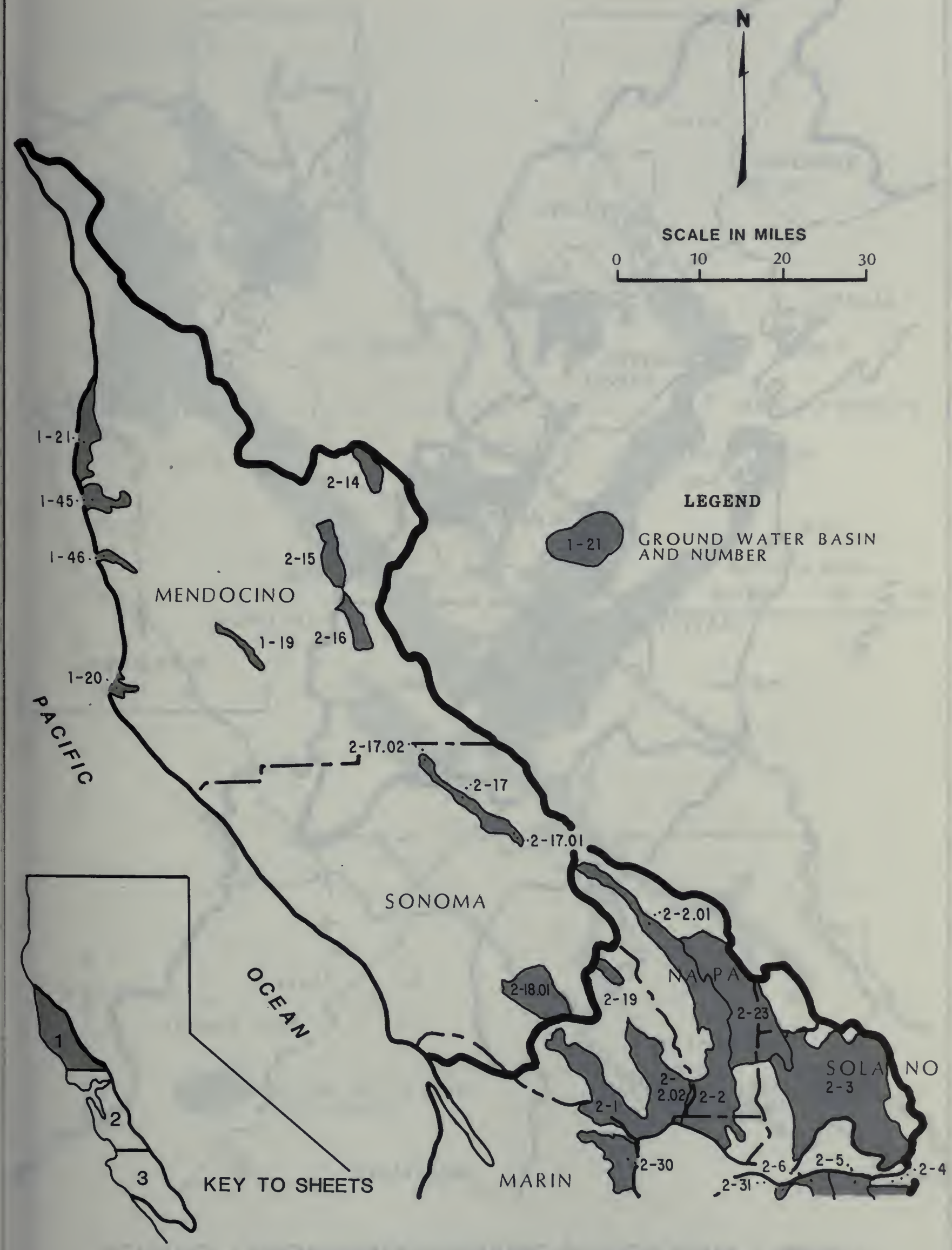


Figure 7 LOCATION OF GROUND WATER BASINS - QUALITY

Figure 7 LOCATION OF GROUND WATER BASINS - QUALITY

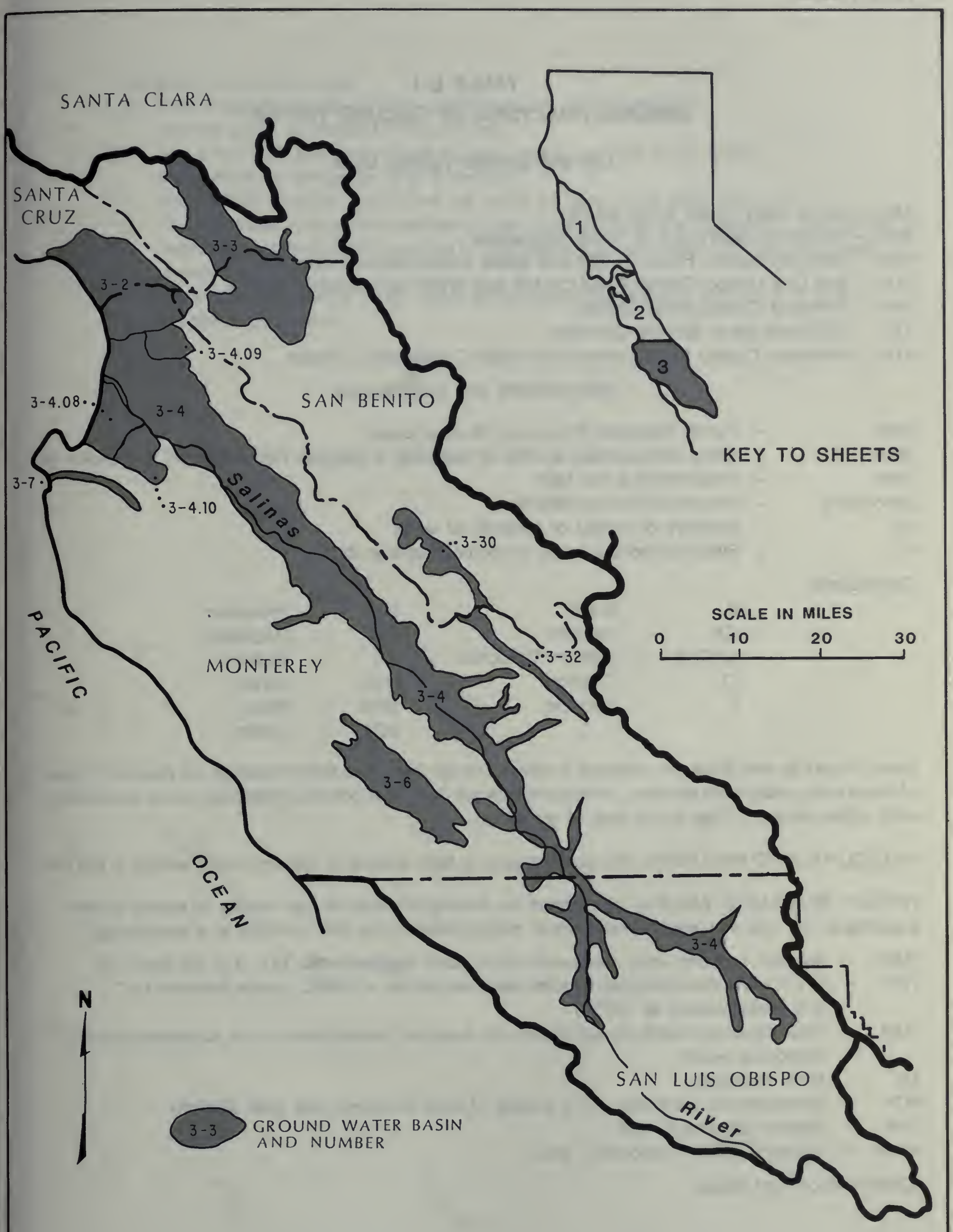


Figure 7 LOCATION OF GROUND WATER BASINS - QUALITY

TABLE E-I
MINERAL ANALYSES OF GROUND WATER

Lab and Sampler Agency Code

2400- Santa Clara Valley Water District
5050 - California Department of Water Resources
5100 - Alameda County Flood Control and Water Conservation District
5117 - San Luis Obispo County Flood Control and Water Conservation District
5401 - Alameda County Water District
5701 - California Water Service Company
5115 - Monterey County Flood Control and Water Conservation District

Abbreviations and Constituents

TIME - Pacific Standard Time on a 24-hour clock
TEMP - Water temperature at time of sampling in degrees Fahrenheit (F) or Celcius (C)
Field - Determined in the field
Laboratory - Determined in the laboratory
pH - Measure of acidity or alkalinity of water
EC - Electrical conductance in microsiemens at 25°C

Constituents:

B	-	Boron	K	-	Potassium
CA	-	Calcium	MG	-	Magnesium
CACO3	-	Calcium Carbonate	NA	-	Sodium
CL	-	Chloride	NO3	-	Nitrate
F	-	Fluoride	SIO2	-	Silica
			SO4	-	Sulfate

Boron, Fluoride, and Silica are reported in milligrams per liter. The other minerals are reported in each of three units: milligrams per liter, milliequivalents per liter, and percent reactance value; accordingly, each observation can use three lines of tabulation.

MILLIEQUIVALENTS PER LITER is the concentration in Mg/l divided by the equivalent weight of the ion.

PERCENT REACTANCE VALUE is determined by dividing the sum of the cations or anions in milli-equivalents per liter into each constituent in milliequivalents per liter, arriving at a percentage.

TURB - Jackson turbidity units measured with a Hach nephelometer (A); if in the field, (F)
TDS - Gravimetric determination of total dissolved solids at 180°C (value followed by * is a determination at 105°C)
SUM - Total dissolved solids by summation of analyzed constituents minus 40 percent of the carbonate weight
TH - Total hardness
NCH - Noncarbonate hardness - any excess of total hardness over total alkalinity
SAR - Sodium adsorption ratio
ASAR - Adjusted sodium adsorption ratio

(Continued on next page)

REM – Remarks; code letters are:

T – Total dissolved solids and the calculated sum of constituents are not within 20 percent of each other.

S – The anion sum and cation sum for a complete analysis is not within the prescribed tolerance of ± 5 percent.

X – The field EC and the lab EC are not within 20 percent of each other.

C – The electrical conductivity divided by the EC-EPM factor (or, if absent, 100) is not within 20 percent of the average of the cation sum and anion sum for complete analysis.

E – Total dissolved solids (TDS) value is not within the range of 0.35 to 0.70 of the electrical conductivity.

TABLE E-1

MINERAL ANALYSES OF GROUND WATER

DATE / TIME	SAMPLER / LAB	TEMP	FIELD PH	FIELD EC	CA	MG	NA	K	CACO3	SO4	CL	NO3	B	F	TDS	TH	SAR	REM
					MINERAL CONSTITUENTS IN MILLIGRAMS PER LITER; MILLIEQUIVALENTS PER LITER; PERCENT REACTANCE VALUE								MILLIGRAMS PER LITER					
	E	SAN FRANCISCO BAY HB																
	E-02	SAN MATEO HU																
	E-02.A	SAN MATEO COASTAL HA																
	E-02.A1	PACIFICA HSA																
	05S/05W-20E01 M																	
09/04/85	5050			7.4	450	19	12	53	--	100	--	74	--	--	--		97	2.3
1015	5050			8.4	467	.95	.99	2.31		2.00		2.09			--		0	3.5
						22	23	54										
	05S/06W-11E01 M																	
09/04/85	5050	62	F	6.4	717	41	20	68	.8	101	53	113	18.0	.1	--	450	184	2.2
1115	5050	17	C	8.4	704	2.05	1.64	2.96	.02	2.02	1.10	3.19	.29		--	374	84	3.8
						31	25	44	0	31	17	48	4					
	E-02.A3	TUNITAS CREEK HSA																
	05S/05W-32D01 M																	
09/04/85	5050	62	F	6.7	1077	56	19	139	1.7	169	87	163	36.0	.2	--	644	218	4.1
1215	5050	17	C	8.4	1070	2.79	1.56	6.05	.04	3.38	1.81	4.60	.58		--	603	49	8.2
						27	15	58	0	33	17	44	6					
	E-02.C	SAN GREGORIO CREEK HA																
	07S/05W-15C01 M																	
09/04/85	5050			7.3	1182	33	38	163	--	236	--	179	--	--	--		239	4.6
1315	5050			8.6	1180	1.65	3.13	7.09		4.72		5.05			--		3	9.9
						14	26	60										
	E-02.D	PESCADERO CREEK HA																
	08S/05W-09J01 M																	
09/04/85	5050	63	F	6.4	3040	187	98	191	--	192	--	785	--	--	--		870	2.8
1400	5050	17	C	8.0	2880	9.33	8.06	8.31		3.84		22.14			--		678	7.2
						36	31	32										
	08S/05W-10M01 M																	
09/04/85	5050			6.7	805	66	28	54	--	77	--	61	--	--	--		280	1.4
1430	5050			8.3	791	3.29	2.30	2.35		1.54		1.72			--		203	2.5
						41	29	30										
	E-04	SOUTH BAY HU																
	E-04.A	EAST BAY CITIES HA																
	02S/03W-19Q01 M																	
09/19/85	5100	64.4F		7.1	3530	310	120	174	--	115	--	1050	.0	--	--	2260	1270	2.1
1130	5050	18.0C		7.6	3510	15.47	9.87	7.57		2.30		29.61	.00		--		1153	5.2
						47	30	23										
	02S/03W-33H03 M																	
09/19/85	5100	63.5F		7.0	1170	98	43	54	--	233	--	162	30.0	--	--	591	422	1.1
1430	5050	17.5C		8.2	1080	4.89	3.54	2.35		4.66		4.57	.48		--		189	2.8
						45	33	22										
	02S/03W-36M02 M																	
09/19/85	5100	64.4F		7.7	610	67	27	39	1.9	248	42	36	26.0	.3	--	412	278	1.0
1550	5050	18.0C		8.6	669	3.34	2.22	1.70	.05	4.96	.87	1.02	.42		--	388	30	2.3
						46	30	23	1	68	12	14	6					
	02S/04W-03E01 M																	
09/19/85	5100	66.2F		7.2	790	12	18	102	--	228	--	93	.0	--	--	447	104	4.4
1020	5050	19.0C		8.6	766	.60	1.48	4.44		4.56		2.62	.00		--		0	8.0
						9	23	68										
	03S/02W-08M03 M																	
09/24/85	5100	71.6F		7.0	1200	108	41	72	.8	296	107	66	108	.5	--	684	438	1.5
1000	5050	22.0C		8.1	1100	5.39	3.37	3.13	.02	5.91	2.23	1.86	1.74		--	681	143	3.8
						45	28	26	0	50	19	16	15					
	03S/02W-30R14 M																	
09/24/85	5100	66.2F		7.1	1250	86	36	95	--	333	--	98	39.0	--	--	641	363	2.2
1330	5050	19.0C		7.9	1080	4.29	2.96	4.13		6.65		2.76	.63		--		30	5.4
						38	26	36										
	03S/02W-32D02 M																	
09/24/85	5100	71.6F		7.3	870	38	10	134	--	224	--	102	.4	--	--	486	136	5.0
1520	5050	22.0C		8.5	840	1.90	.82	5.83		4.48		2.88	.01		--		0	9.7
						22	10	68										
	03S/03W-13A02 M																	
09/24/85	5100	61.7F		7.4	920	46	32	98	--	300	--	62	4.4	--	--	492	247	2.7
0845	5050	16.5C		8.3	841	2.30	2.63	4.26		5.90		1.75	.07		--		0	6.3
						25	29	46										
	03S/03W-24Q02 M																	
09/24/85	5100	65.3F		7.1	1380	60	46	139	1.2	382	76	120	25.0	.5	--	707	339	3.3
1120	5050	18.5C		8.0	1210	2.99	3.78	6.05	.03	7.63	1.58	3.38	.40		--	697	0	8.3
						23	29	47	0	59	12	26	3					
	04S/02W-11Q10 M																	
07/15/85	5401					68	32	50	--	110	--	160	--	--	--		301	1.3
	5050			8.0	881	3.39	2.63	2.18		2.20		4.51			--		191	2.5
						41	32	27										
	E-04.C	ALAMEDA CREEK HA																
	02S/02E-35F01 M																	
07/25/85	5100	64.4F		7.4	2430	46	40	399	1.3	303	66	510	50.0	3.2	--	1320	280	10.4
0930	5050	18.0C		8.4	2350	2.30	3.29	17.36	.03	6.05	1.37	14.38	.81		--	1302	0	23.6
						10	14	76	0	27	6	64	4					
	02S/02E-35G02 M																	
07/25/85	5100	63.5F		7.4	3050	44	55	502	1.1	361	120	630	62.0	3.8	--	1690	336	11.9
1045	5050	17.5C		8.3	2920	2.20	4.52	21.84	.03	7.21	2.50	17.77	1.00		--	1639	0	28.6
						8	16	76	0	25	9	62	4					

TABLE E-1 (CONTINUED)

MINERAL ANALYSES OF GROUND WATER

DATE TIME	SAMPLER LAB	TEMP	FIELD LABORATORY PH	FIELD LABORATORY EC	MINERAL CONSTITUENTS IN MILLIGRAMS PER LITER / MILLIEQUIVALENTS PER LITER / PERCENT REACTANCE VALUE: CA	MG	NA	K	CACO3	SO4	CL	NO3	B	F	SIO2	MILLIGRAMS PER LITER: TDS	TH	SAR	ASAR	PER
	E		SAN FRANCISCO BAY HA																	
	E-04		SOUTH BAY HU																	
	E-04.C		ALAMEDA CREEK HA																	
	03S/01E-05R02 M																			
09/22/85 1110	5100	64.4F		890	46	21	128	1.6	284	89	63	.9	.P	--	531	202	3.9			
	5050	18.0C	8.7	864	2.30	1.73	5.57	.04	5.67	1.8P	1.7M	.01		--	521	0	8.6			
					24	18	58	0	61	20	19	0								S
	03S/01E-09H03 M																			
07/26/85 1300	5100	63.5F	7.3	2460	66	122	209	--	294	--	387	31.0	--	--		667	3.5			
	5050	17.5C	8.0	2150	3.29	10.03	9.09		8.87		10.91	.50		--		373	9.3			
					15	45	41													S
	03S/01E-10L01 M																			
07/26/85 1415	5100	63.5F	7.4	780	61	44	38	--	243	--	72	13.0	--	--		333	0.9			
	5050	17.5C	8.6	763	3.04	3.62	1.57		4.86		2.03	.21		--		90	2.0			
					37	44	19													S
	03S/01E-11H01 M																			
07/25/85 1240	5100	64.4F	7.5	610	37	45	28	1.5	219	39	44	14.0	.3	--	358	278	0.7			
	5050	18.0C	8.6	607	1.85	3.70	1.22	.04	4.30	.61	1.24	.26		--	340	63	1.6			
					27	54	18	1	65	12	19	4								
	03S/01E-12H01 M																			
08/22/85 0940	5100	63.5F		970	38	72	43	1.6	295	55	71	33.0	.4	--	506	301	0.9			
	5050	17.5C	8.4	870	1.90	5.92	1.87	.05	5.89	1.15	2.00	.53		--	491	97	2.4			
					20	61	19	1	62	12	21	6								
	03S/01E-15J03 M																			
07/26/85 1040	5100	62.6F	7.2	850	50	42	34	--	227	--	63	9.7	--	--		298	0.9			Y
	5050	17.0C	8.1	703	2.50	3.45	1.48		4.54		1.75	.16		--		71	2.0			
					34	46	20													S
	03S/01E-24A01 M																			
07/26/85 0910	5100	72.5F	7.4	640	18	3.0	170	--	274	--	77	.5	--	--		5M	0.7			
	5050	22.5C	8.7	835	.90	.25	7.40		5.47		2.17	.01		--		0	16.0			
					11	3	87													S
	03S/02E-08EG1 M																			
07/24/85 1110	5100	69.8F	7.7	830	46	55	44	--	280	--	61	26.0	--	--		341	1.0			
	5050	21.0C	8.7	795	2.30	4.52	1.91		5.59		1.72	.45		--		62	2.5			
					26	52	22													S
	03S/02E-17E02 M																			
07/24/85 0900	5100	65.3F	7.2	840	48	66	33	--	280	--	71	33.0	--	--		392	0.7			
	5050	18.5C	8.6	830	2.40	5.43	1.44		5.59		2.00	.53		--		112	1.8			
					26	59	16													S
	03S/02E-29D01 M																			
07/24/85 0740	5100	65.3F	7.1	860	53	38	58	1.5	204	47	66	52.0	.3	--	472	280	1.4			
	5050	18.5C	8.2	807	2.64	3.13	2.44	.04	4.08	.98	2.43	.84		--	456	85	3.2			
					32	38	30	0	49	12	29	10								
	03S/03E-19C02 M																			
07/24/85 1340	5100	68.9F	6.8	1570	98	57	122	2.0	232	35	295	113	1.4	--	1020	470	2.4			
	5050	20.5C	8.4	1580	4.89	4.69	5.31	.05	4.64	.73	8.32	1.62		--	863	247	5.0			
					33	31	36	0	30	5	54	12								S
	02S/01W-36E03 M																			
08/22/85 1330	5100	63.5F	7.1	810	96	20	51	3.1	240	82	45	19.0	.2	--	500	322	1.2			
	5050	17.5C	8.6	777	4.79	1.64	2.22	.08	5.19	1.71	1.27	.31		--	472	62	2.9			
					55	19	25	1	61	29	15	4								S
	E-04.D		SAN MATEO BAYSIDE HA																	
	03S/05W-20F03 M																			
06/26/85 0930	5701				98	38	94	5.0	231	181	154	8.0	--	.1		402	2.0			
	5701		7.4	1230	4.89	3.13	4.09	.13	4.62	3.77	4.34	.13		34.0	751	170	4.9			
					40	26	33	1	36	29	34	1								S
	03S/05W-20K01 M																			
06/26/85 0830	5701				46	45	71	2.4	203	67	133	15.0	--	.2		301	1.8			
	5701		7.6	950	2.30	3.70	3.09	.06	4.06	1.39	3.75	.24		54.0	555	97	4.0			
					25	40	34	1	43	15	40	3								S
	03S/05W-20K02 M																			
06/26/85 0930	5701				44	50	58	2.0	203	58	87	87.0	--	.1		318	1.4			
	5701		7.8	915	2.20	4.11	2.52	.05	4.06	1.21	2.45	1.40		41.0	540	113	3.2			
					25	46	28	1	45	13	27	15								
	E-05		SANTA CLARA HU																	
	E-05.A		FREMONT BAYSIDE HA																	
	04S/01W-20A02 M																			
07/15/85	5401				39	32	58	--	171	--	74	--	--	--		229	1.7			
	5050		8.3	724	1.95	2.63	2.52		3.42		2.09			--		58	3.4			
					27	37	35													S
	04S/01W-21F02 M																			
07/16/85	5401				43	33	72	2.9	154	101	88	13.0	.6	--	500	243	2.0			
	5050		8.3	821	2.15	2.71	3.13	.07	3.12	2.10	2.48	.21		--	447	87	4.1			
					27	34	39	1	39	27	31	3								
	04S/01W-21001 M																			
07/15/85	5401				31	40	81	2.9	210	93	69	25.0	1.1	--	543	242	2.3			
	5050		8.2	852	1.59	3.29	3.52	.06	4.20	1.94	1.95	.40		--	469	32	4.9			
					18	39	42	1	49	23	23	5								
	04S/01W-28C14 M																			
07/15/85	5401				52	29	47	--	124	--	113	--	--	--		249	1.3			
	5050		8.1	754	2.59	2.38	2.04		2.48		3.19			--		125	2.5			
					37	34	29													S

TABLE E-1 (CONTINUED)

MINERAL ANALYSES OF GROUND WATER

DATE TIME	SAMPLER LAB		TEMP		FIELD PH	FIELD EC	MINERAL CONSTITUENTS IN MILLIGRAMS PER LITER / MILLIEQUIVALENTS PER LITER / PERCENT REACTANCE VALUE: CA	MG	NA	K	CACO3	SO4	CL	NO3	B	F SIO2	TDS SUM	TH NCH	SAR ASAR	REM
	E						SAN FRANCISCO BAY HB													
	E-05						SANTA CLARA HU													
	E-05.8						FREMONT BAYSIDE HA													
	04S/01W-33A02 M																			
07/15/85	5401						65	44	89	2.6	153	91	187	37.0	.7	--	657	343	2.1	
	5050				8.0	1140	3.24	3.62	3.87	.07	3.06	1.89	5.27	.60		--	605	190	4.5	
							30	34	36	1	28	17	49	6						
	05S/01W-17A01 M																			
07/15/85	5401						123	56	142	--	122	--	488	--	--	--		538	2.7	
	5050				8.0	1990	6.14	4.61	6.18		2.44		13.76			--		416	5.9	
							36	27	37											C
	E-05.C						COYOTE CREEK HA													
	05S/01E-31R01 M																			
08/12/85	2400		68	F	7.4	1120	55	44	109	--	350	--	64	--	--	--		318	2.7	
1545	5050		20	C	8.1	1050	2.74	3.62	4.74		6.99		1.80			--		0	6.4	
							25	33	43											S
	06S/01E-16K03 M																			
08/26/85	5701		72	F			39	6.0	164	2.4	250	82	95	8.0	--	.1		124	6.4	
1000	5701		22	C	7.9	980	1.95	.49	7.13	.06	5.00	1.71	2.68	.13		19.0	565	0	12.4	
							20	5	74	1	53	18	28	1						
	06S/01E-22Q01 M																			
09/13/85	2400		66	F	6.7	640	43	22	67	--	217	--	44	--	--	--		198	2.1	
1155	5050		19	C	8.5	652	2.15	1.81	2.91		4.34		1.24			--		0	4.3	
							31	26	42											C
	06S/01E-24J10 M																			
12/03/84	2400		60.8	F		820	--	--	--	--	324	--	35	--	--	--		316		
	2400		16.0	C	7.9	825					6.47		.99			--				
																				C
	06S/01E-27L03 M																			
11/26/84	2400		62.6	F		700	--	--	60	--	197	52	49	15.8	.94	.1	426	236		
1330	2400		17.0	C	7.7	714			2.61		3.94	1.08	1.38	.25		--				
									36		59	16	21	4						C
	06S/01E-32G01 M																			
07/09/85	5701		72	F			38	12	82	1.1	209	39	55	2.0	--	.2		144	3.0	
1030	5701		22	C	7.9	640	1.90	.99	3.57	.03	4.18	.81	1.55	.03		24.0	378	0	5.8	
							29	15	55	0	64	12	24	0						
	06S/01E-32M05 M																			
11/26/84	2400					1150	--	--	47	--	410	136	63	.1	.33	.2	751	630		
1130	2400				7.8	1214			2.04		8.19	2.83	1.78	.00		--				
									14		64	22	14	0						
	07S/01E-03A01 M																			
08/26/85	5701		72	F			70	42	84	1.8	308	53	106	11.0	--	.1		347	2.0	
0930	5701		22	C	7.7	1010	3.49	3.45	3.65	.05	6.15	1.10	2.99	.18		28.0	580	40	4.8	
							33	32	34	0	59	11	29	2						
	07S/01E-07R02 M																			
07/01/85	5701		70	F			64	23	34	1.2	213	42	38	28.0	--	.1		256	0.9	
1030	5701		21	C	7.7	570	3.19	1.89	1.48	.03	4.26	.87	1.07	.45		24.0	382	41	2.0	
							48	29	22	0	64	13	16	7						
	07S/01E-09D02 M																			
08/28/85	5701						70	50	36	1.9	310	86	36	5.0	--	.2		383	0.8	
0915	5701				7.9	800	3.49	4.11	1.57	.05	6.19	1.79	1.02	.08		30.0	501	71	2.0	
							38	45	17	1	68	20	11	1						
	07S/01E-09D03 M																			
08/28/85	5701						75	58	35	1.4	334	88	35	18.0	--	.2		425	0.7	
0915	5701				7.8	865	3.74	4.77	1.52	.04	6.67	1.83	.99	.29		28.0	539	92	1.0	
							37	47	15	0	68	19	10	3						C
	07S/01E-09D04 M																			
07/01/85	5701		70	F			64	38	39	1.2	279	61	38	19.0	--	.2		317	1.0	
1115	5701		21	C	7.6	795	3.19	3.13	1.70	.03	5.57	1.27	1.07	.31		26.0	463	38	2.3	
							40	39	21	0	68	15	13	4						
	07S/01E-12H02 M																			
11/27/84	2400		65.7	F	8.2	1120	32	12	207	--	345	154	40	1.6	.72	.5	705	130	7.9	
1000	2400		18.7	C	8.2	1120	1.60	1.00	9.00		6.89	3.21	1.13	.03		--	654	0	16.4	
							13	8	71		61	29	10	0						C
	07S/01E-15N03 M																			
08/19/85	5701		72	F			66	22	68	1.0	248	54	75	13.0	--	.1		258	1.8	
1100	5701		22	C	7.7	815	3.29	1.81	2.96	.03	4.96	1.12	2.12	.21		24.0	472	7	4.2	
							41	22	37	0	59	13	25	2						S
	07S/01E-16C02 M																			
08/28/85	5701						76	49	38	1.4	332	65	39	15.0	--	.1		390	0.8	
0900	5701				7.9	880	3.79	4.03	1.65	.04	6.63	1.35	1.10	.24		24.0	506	60	2.1	
							40	42	17	0	71	14	12	3						
	07S/01E-16C04 M																			
07/01/85	5701		68	F			71	40	34	1.2	278	69	38	20.0	--	.1		342	0.8	
1000	5701		20	C	7.9	680	3.54	3.29	1.48	.03	5.49	1.44	1.07	.32		26.0	466	67	1.9	C
							42	39	18	0	66	17	13	4						
	07S/01E-16C06 M																			
07/09/85	5701		68	F			79	40	33	1.4	307	67	38	21.0	--	.1		342	0.8	
0900	5701		20	C	7.6	825	3.94	3.29	1.44	.04	6.13	1.39	1.07	.34		26.0	489	55	1.9	
							45	38	17	0	69	16	12	4						
	07S/01E-16C07 M																			
07/09/85	5701		72	F			60	28	48	1.4	249	53	37	18.0	--	.1		266	1.2	
0900	5701		22	C	7.6	705	2.99	2.30	1.96	.04	4.98	1.10	1.04	.29		26.0	418	16	2.7	
							41	32	27	1	67	15	14	4						

TABLE E-1 (CONTINUED)

MINERAL ANALYSES OF GROUND WATER

DATE TIME	SAMPLER LAB		TEMP		FIELD LABORATORY PH	EC	MINERAL CONSTITUENTS IN MILLIEQUIVALENTS PER LITER / PERCENT REACTANCE VALUE CA	MG	NA	K	MILLIGRAMS PER LITER CACO3	SO4	CL	NO3	B TURB	F SIO2	TDS SUM	TH NCH	SAR ASAR	REM
	E	SAN FRANCISCO BAY HB																		
	E-05	SANTA CLARA HU																		
	E-05.C	COYOTE CREEK HA																		
	07S/01E-20D03 M																			
10/17/84	5701		66	F			71	50	22	1.3	285	70	41	27.0	--	.1		382	0.5	
1130	5701		19	C	7.3	805	3.54	4.11	.96	.03	5.69	1.46	1.16	.44		26.0	479	98	1.2	
							41	48	11	0	65	17	13	5						
	07S/01E-20D04 M																			
10/17/84	5701		66	F			63	53	23	1.2	289	60	38	26.0	--	.1		375	0.5	
1130	5701		19	C	7.3	795	3.14	4.36	1.00	.03	5.77	1.25	1.07	.42		26.0	463	87	1.3	
							37	51	12	0	68	15	13	5						
	07S/01E-21E02 M																			
07/01/85	5701		66	F			65	42	30	1.3	295	62	29	15.0	--	.1		334	0.7	
0930	5701		19	C	7.8	780	3.24	3.45	1.31	.03	5.89	1.29	.82	.24		26.0	447	40	1.7	
							40	43	16	0	71	16	10	3						
	07S/01E-22H04 M																			
08/26/85	5701		64	F			63	65	34	1.5	357	71	33	15.0	--	.1		427	0.7	
0915	5701		18	C	7.9	850	3.14	5.35	1.48	.04	7.13	1.48	.93	.24		30.0	527	68	1.9	
							31	53	15	0	73	15	10	2						
	07S/01E-27G05 M																			
08/13/85	2400		66	F	7.3	790	38	49	34	--	253	--	31	--	--	--		297	0.9	
1002	5050		19	C	8.4	702	1.90	4.03	1.48		5.05		.87			--		44	2.0	
							26	54	20											S
	07S/01E-32G01 M																			
08/19/85	5701		64	F			50	35	19	.6	226	37	29	7.0	--	.2		270	0.5	
1045	5701		18	C	7.5	565	2.50	2.88	.83	.02	4.52	.77	.82	.11		24.0	337	43	1.1	
							40	46	13	0	73	12	13	2						
	07S/01E-32J03 M																			
08/19/85	5701		61	F			47	35	17	.7	218	38	25	7.0	--	.2		260	0.5	
1030	5701		16	C	7.2	540	2.35	2.88	.74	.02	4.36	.79	.71	.11		21.0	321	44	1.0	
							39	48	12	0	73	13	12	2						
	07S/02E-07M02 M																			
12/04/84	2400		59.4	F		825	44	18	175	--	372	138	58	3.7	.51	.4	685	186	5.6	X
1100	2400		15.2	C	8.0	1085	2.20	1.51	7.61		7.43	2.87	1.64	.06		--	661	0	12.6	
							17	12	59		62	24	14	1						S
	07S/02E-20R01 M																			
11/27/84	2400		64.6	F	7.2	960	76	36	80	--	330	63	53	31.7	.48	.4	596	340	1.9	
0930	2400		18.1	C	7.7	957	3.79	3.00	3.48		6.59	1.31	1.49	.51		--	539	10	4.7	C
							29	23	26		67	13	15	5						S
08/13/85	2400		75	F	7.2	1100	34	36	83	--	272	--	51	--	--	--		233	2.4	X
1050	5050		24	C	8.4	793	1.70	2.96	3.61		5.43		1.44			--		0	5.3	
							21	36	44											S
	07S/02E-20C04 M																			
12/04/84	2400		67.1	F			76	26	69	--	360	52	37	8.4	.36	.3	508	300	1.7	
0930	2400		19.5	C	7.7	810	3.79	2.20	3.00		7.19	1.08	1.04	.14		--	485	0	4.3	C
							34	20	27		76	11	11	1						S
	07S/02E-33C04 M																			
08/13/85	2400		64	F	6.9	1110	43	71	66	--	299	--	104	--	--	--		399	1.4	
1030	5050		18	C	8.4	1010	2.15	5.84	2.87		5.97		2.93			--		101	3.6	
							20	54	26											S
	08S/01E-04M01 M																			
07/11/85	5701		64	F			40	29	16	1.0	180	34	26	9.0	--	.1		218	0.5	
1100	5701		18	C	7.4	485	2.00	2.38	.78	.03	3.60	.71	.73	.15		26.0	291	39	1.1	
							39	46	15	1	69	14	14	3						
	08S/01E-04M02 M																			
07/11/85	5701		64	F			40	29	18	.9	176	34	29	8.0	--	.1		218	0.5	
1100	5701		18	C	7.3	490	2.00	2.38	.78	.02	3.52	.71	.82	.13		26.0	290	43	1.1	
							39	46	15	0	68	14	16	3						
	08S/01E-05M03 M																			
08/19/85	5701		64	F			54	25	16	.5	187	37	28	6.0	--	.1		238	0.5	
0945	5701		18	C	7.0	505	2.69	2.06	.70	.01	3.74	.77	.79	.10		24.0	303	51	1.0	
							49	38	13	0	69	14	15	2						
	08S/01E-05M04 M																			
08/21/85	5701		64	F			44	31	17	.7	185	37	32	3.0	--	.1		238	0.5	
0930	5701		18	C	7.2	500	2.20	2.55	.74	.02	3.70	.77	.90	.05		24.0	300	53	1.0	
							40	46	13	0	68	14	17	1						
	08S/01E-10G02 M																			
07/11/85	5701		64	F			49	39	21	.7	235	45	30	9.0	--	.1		282	0.5	
1130	5701		18	C	7.5	610	2.45	3.21	.91	.02	4.70	.94	.85	.15		26.0	361	48	1.2	
							37	49	14	0	71	14	13	2						
	08S/01E-10G03 M																			
07/11/85	5701		64	F			53	37	26	1.0	234	50	29	9.0	--	.1		284	0.7	
1130	5701		18	C	7.4	635	2.64	3.04	1.13	.03	4.68	1.04	.82	.15		28.0	373	50	1.5	
							39	44	17	0	70	16	12	2						
	08S/01E-10K03 M																			
08/21/85	5701		63	F			53	41	21	.5	248	45	28	4.0	--	.1		300	0.5	
0900	5701		17	C	7.4	610	2.64	3.37	.91	.01	4.96	.94	.79	.06		24.0	365	53	1.2	
							38	49	13	0	73	14	12	1						
	08S/01E-21C02 M																			
12/04/84	2400		63.5	F		700	60	46	24	--	270	48	39	15.8	.37	.2	398	340	0.6	
1330	2400		17.5	C	7.7	701	2.99	3.81	1.04		5.39	1.00	1.10	.25		--	395	71	1.4	C
							26	33	9		70	13	14	3						S

TABLE E-1 (CONTINUED)

MINERAL ANALYSES OF GROUND WATER

DATE TIME	SAMPLER LAB		TEMP		FIELD LABORATORY PH	EC	MINERAL CONSTITUENTS IN MILLIEQUIVALENTS PER LITER PERCENT REACTANCE VALUE CA	MG	NA	K	MILLIGRAMS PER LITER CACO3	SO4	CL	NO3	MILLIGRAMS PER LITER B	F	SIO2	TDS SUM	TH NCH	SAR ASAR	PER
	E	SAN FRANCISCO BAY HB																			
	E-05	SANTA CLARA HU																			
	E-05.C	COYOTE CREEK HA																			
	08S/01E-27C02 M																				
08/12/85	2400		66	F	7.1	840	56	81	35	--	306	--	58	--	--	--			473	0.7	
1650	5050		19	C	8.7	956	2.79	6.66	1.52		6.11		1.64			--			167	1.6	
							25	61	14												S
	08S/02E-07F01 M																				
08/13/85	2400		68	F	7.2	590	35	30	24	--	171	--	18	--	--	--			211	0.7	
0845	5050		20	C	8.4	503	1.75	2.47	1.04		3.42		.51			--			40	1.5	
							33	47	20												S
	08S/02E-34A01 M																				
08/13/85	2400		61	F	6.8	480	48	21	22	--	179	--	13	--	--	--			207	0.7	
0815	5050		16	C	8.6	481	2.40	1.73	.96		3.58		.37			--			28	1.4	
							47	34	19												S
	09S/02E-02C01 M																				
08/13/85	2400		63	F	6.8	450	37	21	22	--	162	--	14	--	--	--			179	0.7	
0750	5050		17	C	8.4	434	1.85	1.73	.96		3.24		.39			--			17	1.4	
							41	38	21												S
	09S/03E-07D04 M																				
04/17/85	2400		64	F	7.1	610	--	--	28	1.2	218	58	35	27.7	.15	.2	340		260		
0900	2400		18	C	7.5	593			1.22	.03	4.36	1.21	.99	.45		--					
									19		62	17	14	4							
	05S/01W-35F01 M																				
10/09/84	2400		68	F	8.2	590	--	--	--	--	--	--	20	--	--	--					
0930	2400		20	C	8.0	585							.56			--					
																					S
01/22/85	2400		51.8	F	6.6	500	--	--	--	--	--	--	22	--	--	--					
1400	2400		11.0	C	7.7	592							.62			--					
																					C
04/26/85	2400		63	F	7.6	575	--	--	--	--	--	--	19	--	--	--					
0830	2400		17	C	8.0	583							.54			--					
																					S
07/02/85	2400		82.4	F	6.9	570	--	--	--	--	--	--	21	--	--	--					
	2400		28.0	C	7.9	562							.59			--					
																					C
	06S/01W-01K02 M																				
11/07/84	2400				7.6	625	--	--	--	--	268	--	28	--	--	--			260		
	2400				7.8	622					5.35		.79			--					
																					S
	06S/01W-02N02 M																				
10/09/84	2400		68	F	8.2	630	--	--	--	--	--	--	27	--	--	--					
1100	2400		20	C	7.9	661							.76			--					
																					C
01/22/85	2400		62.6	F	7.9	625	--	--	--	--	--	--	25	--	--	--					
1530	2400		17.0	C	7.7	634							.71			--					
																					C
04/26/85	2400		63	F	7.5	635	--	--	--	--	--	--	25	--	--	--					
0950	2400		17	C	7.9	667							.71			--					
																					S
07/02/85	2400		72	F	7.0	550	--	--	--	--	--	--	25	--	--	--					
	2400		22	C	7.9	638							.71			--					
																					C
	06S/01W-10G03 M																				
04/16/85	2400		63.7	F	7.8	600	--	--	--	--	226	--	45	--	--	--		188			
1045	2400		17.6	C	8.2	609					4.52		1.27			--					
																					C
04/26/85	2400		66	F	7.7	590	--	--	--	--	--	--	50	--	--	--					
1035	2400		19	C	8.0	602							1.41			--					
																					S
07/02/85	2400		72	F	7.2	490	--	--	--	--	--	--	44	--	--	--					
	2400		22	C	7.9	551							1.24			--					
																					S
	06S/01W-10L03 M																				
04/16/85	2400		63.1	F	7.8	860	--	--	--	--	220	--	128	--	--	--		258			
1115	2400		17.3	C	8.3	903					4.40		3.61			--					
																					S
	06S/01W-11R01 M																				
10/09/84	2400		70	F	8.0	670	--	--	--	--	--	--	46	--	--	--					
1030	2400		21	C	8.1	696							1.30			--					
																					C
01/22/85	2400		52.7	F	7.3	520	--	--	--	--	--	--	25	--	--	--					
1515	2400		11.5	C	7.8	612							.71			--					
																					C
04/26/85	2400		68	F	7.4	650	--	--	--	--	--	--	25	--	--	--					
0935	2400		20	C	8.1	602							.71			--					
																					S
08/12/85	2400		73	F	7.8	790	73	27	69	--	257	--	76	--	--	--		293		1.8	
1516	5050		23	C	8.7	865	3.64	2.22	3.00		5.13		2.14			--		37		4.1	
							41	25	34												C

TABLE E-1 (CONTINUED)

MINERAL ANALYSES OF GROUND WATER

DATE TIME	SAMPLER LAB	TEMP	FIELD LABORATORY PH	FIELD LABORATORY EC	MINERAL CONSTITUENTS IN MILLIGRAMS PER LITER / MILLIEQUIVALENTS PER LITER / PERCENT REACTANCE VALUE: CA	MG	NA	K	CACO3	SO4	CL	NO3	MILLIGRAMS PER LITER: B	F	TDS SUM	TH NCH	SAR ASAR	PEM
	E		SAN FRANCISCO BAY HR															
	E-05		SANTA CLARA HU															
	E-05.C		COYOTE CREEK HA															
	06S/01W-11R03 M																	
04/16/85	2400	65.5F	7.8	650	--	--	--	--	280	--	30	--	--	--		280		
1015	2400	18.6C	8.3	659					5.59		.85			--				S
	06S/01W-11E01 M																	
04/30/85	2400	62.1F	7.9	590	--	--	--	--	248	--	27	--	--	--		224		Y
0915	2400	16.7C	8.1	342					4.96		.76			--				S
	06S/01W-11G01 M																	
11/07/84	2400	66.4F	7.8	900	--	--	--	--	232	--	113	--	--	--		264		
	2400	19.1C	8.0	907					4.64		3.19			--				S
	06S/01W-11K01 M																	
11/07/84	2400	64.8F	7.9	640	--	--	--	--	260	--	22	--	--	--		240		
	2400	18.2C	8.1	582					5.19		.62			--				S
	06S/01W-11P01 M																	
10/09/84	2400	68 F	7.9	550	--	--	--	--	--	--	49	--	--	--				
1115	2400	20 C	8.3	561							1.38			--				S
11/07/84	2400	63.1F	7.8	540	--	--	--	--	192	--	40	--	--	--		92		
	2400	17.3C	8.3	539					3.84		1.13			--				S
01/22/85	2400	64.4F	8.1	530	--	--	--	--	--	--	31	--	--	--				
1550	2400	18.0C	8.1	496							.87			--				S
04/26/85	2400	72 F	7.6	570	--	--	--	--	--	--	45	--	--	--				
1010	2400	22 C	8.2	557							1.27			--				S
07/02/85	2400	75 F	7.5	480	--	--	--	--	--	--	49	--	--	--				
	2400	24 C	8.1	535							1.38			--				S
	06S/01W-12F02 M																	
11/07/84	2400		7.6	720	--	--	--	--	278	--	31	--	--	--		328		
	2400		7.9	722					5.55		.87			--				S
	06S/01W-12M03 M																	
10/09/84	2400	66 F	7.6	700	--	--	--	--	--	--	30	--	--	--				
1000	2400	19 C	8.0	708							.85			--				S
01/22/85	2400	57.2F	7.2	640	--	--	--	--	--	--	29	--	--	--				
1445	2400	14.0C	7.7	690							.82			--				S
04/26/85	2400	57 F	6.8	620	--	--	--	--	--	--	29	--	--	--				
0905	2400	14 C	8.0	714							.82			--				S
07/02/85	2400	77 F	6.8	640	--	--	--	--	--	--	28	--	--	--				
	2400	25 C	7.9	652							.79			--				S
	06S/01W-13001 M																	
11/07/84	2400	66.6F	7.2	700	--	--	--	--	270	--	29	--	--	--		314		
	2400	19.2C	7.6	715					5.39		.82			--				S
	06S/01W-14K01 M																	
12/03/84	2400	62.6F		1700	--	--	--	--	570	--	111	--	--	--		688		
	2400	17.0C	7.8	1708					11.39		3.13			--				S
	06S/01W-14L04 M																	
10/09/84	2400	68 F	7.5	1800	--	--	--	--	--	--	120	--	--	--				
1200	2400	20 C	7.7	1856							3.38			--				S
01/23/85	2400	51.8F	8.5	1400	--	--	--	--	--	--	118	--	--	--				Y
1030	2400	11.0C	7.5	1792							3.33			--				S
04/26/85	2400	64 F	7.5	1600	--	--	--	--	--	--	110	--	--	--				
1055	2400	18 C	7.7	1740							3.10			--				S
	06S/01W-14Q01 M																	
12/03/84	2400	64.4F		640	--	--	--	--	230	--	28	--	--	--		260		
	2400	18.0C	7.9	627					4.60		.79			--				S
	06S/01W-14Q02 M																	
12/03/84	2400	64.4F		625	--	--	--	--	230	--	29	--	--	--		264		
	2400	18.0C	7.9	633					4.60		.82			--				S
	06S/01W-22J02 M																	
11/26/84	2400	74.1F		480	--	--	69	--	145	9.0	32	.2	.23	.1	256	84		
1010	2400	24.5C	8.1	464			3.00		3.10	.19	.90	.00		--				S
							64		74	5	21	0						

TABLE E-1 (CONTINUED)

MINERAL ANALYSES OF GROUND WATER

E — SAN FRANCISCO BAY HR
E-05 — SANTA CLARA HU
E-05.C — COYOTE CREEK HA

DATE TIME	SAMPLER LAB	TEMP	FIELD LABORATORY PH	FIELD LABORATORY EC	MINERAL CONSTITUENTS IN MILLIGRAMS PER LITER / MILLIEQUIVALENTS PER LITER / PERCENT REACTANCE VALUE: CA	MG	NA	K	CACO3	SO4	CL	NO3	B TURB	F SIO2	TDS SUM	TH NCH	SAR ASAR	REM
06S/01W-22L04 M																		
10/09/84	2400	75 F	7.5	840	--	--	--	--	--	--	50	--	--	--				
1315	2400	24 C	7.8	797							1.41			--				S
01/23/85	2400	51.8F	7.7	640	--	--	--	--	--	--	48	--	--	--				
1110	2400	11.0C	7.8	758							1.35			--				S
04/26/85	2400	64 F	7.4	740	--	--	--	--	--	--	50	--	--	--				
1200	2400	18 C	7.9	768							1.41			--				S
07/02/85	2400	75 F	7.7	780	--	--	--	--	--	--	50	--	--	--				
	2400	24 C	7.8	715							1.41			--				S
06S/01W-23C01 M																		
10/09/84	2400	70 F		670	--	--	--	--	--	--	33	--	--	--				
1300	2400	21 C	7.9	669							.93			--				S
01/23/85	2400	60.8F	7.4	625	--	--	--	--	--	--	35	--	--	--				
1045	2400	16.0C	7.8	666							.99			--				S
04/26/85	2400	68 F	7.5	680	--	--	--	--	--	--	36	--	--	--				
1145	2400	20 C	7.8	635							1.02			--				S
07/02/85	2400	72 F	7.8	630	--	--	--	--	--	--	32	--	--	--				
	2400	22 C	7.9	583							.90			--				S
06S/01W-23C03 M																		
11/26/84	2400			675	--	--	32	--	234	79	33	8.4	.33	.1	428	300		
1300	2400		7.9	620			1.39		4.68	1.64	.93	.14		--				
							19		63	22	13	2						
06S/01W-26D01 M																		
08/12/85	2400	64 F	7.6	450	47	13	44	1.2	184	93	21	3.3	.1	--	307	171	1.9	
1453	5050	18 C	8.6	507	2.35	1.07	1.91	.03	3.68	1.10	.59	.05		--	209	0	2.9	
					44	20	36	1	68	20	11	1						
06S/01W-32D02 M																		
11/19/84	2400	66 F		925	--	--	43	--	334	81	59	31.2	.54	.1	571	426		
1045	2400	19 C	7.4	947			1.87		6.67	1.69	1.66	.50		--				
							18		63	16	16	5						
06S/02W-06E10 M																		
10/09/84	2400	73 F	6.8	1060	--	--	--	--	--	--	47	--	--	--				
1500	2400	23 C	7.3	1050							1.33			--				S
01/23/85	2400	48.2F	7.5	905	--	--	--	--	--	--	48	--	--	--				
1320	2400	9.0C	7.2	1066							1.35			--				S
04/26/85	2400	72 F			--	--	--	--	--	--	48	--	--	--				
1313	2400	22 C	7.3	1114							1.35			--				S
07/02/85	2400	68 F	7.5	970	--	--	--	--	--	--	48	--	--	--				
	2400	20 C	7.3	1181							1.35			--				S
06S/02W-06P14 M																		
10/09/84	2400	68 F	7.0	1400	--	--	--	--	--	--	95	--	--	--				
1445	2400	20 C	7.4	1652							2.68			--				S
01/23/85	2400	60.8F	7.3	1850	--	--	--	--	--	--	88	--	--	--				
1250	2400	15.0C	7.4	1664							2.48			--				S
04/26/85	2400	63 F	7.2	1300	--	--	--	--	--	--	95	--	--	--				Y
1300	2400	17 C	7.6	1633							2.68			--				S
07/02/85	2400	64 F	7.4	1290	--	--	--	--	--	--	86	--	--	--				
	2400	18 C	7.4	1554							2.43			--				S
06S/02W-07L10 M																		
10/09/84	2400	68 F	6.8	1500	--	--	--	--	--	--	91	--	--	--				
1415	2400	20 C	7.3	1546							2.57			--				S
06S/02W-09K01 M																		
11/19/84	2400	63.3F	7.1	640	--	--	--	--	220	--	31	--	--	--		332		
	2400	17.4C	8.1	630					4.40		.87			--				S
06S/02W-09Q02 M																		
08/12/85	2400	68 F	7.8	600	29	16	67	--	183	--	34	--	--	--		139	2.5	
1352	5050	20 C	8.4	569	1.45	1.32	2.91		3.66		.96			--		0	4.7	
					26	23	51											S

TABLE E-1 (CONTINUED)

MINERAL ANALYSES OF GROUND WATER

DATE TIME	SAMPLED LAB		TEMP	FIELD LABORATORY PH	EC	MINERAL CONSTITUENTS IN MILLIGRAMS PER LITER / MILLIEQUIVALENTS PER LITER / PERCENT REACTANCE VALUE CA	MG	NA	K	CACO3	SO4	CL	NO3	B TURB	F SIO2	TDS SUM	TH NCH	SAR ASAR	PER	
	E		SAN FRANCISCO BAY HA																	
	E-05		SANTA CLARA HU																	
	E-05.C		COYOTE CREEK HA																	
	06S/02W-09R44 M																			
04/30/85	2400		66.2F	7.7	690	--	--	--	--	246	--	37	--	--	--		274			
1000	2400		19.0C	8.0	680					4.92		1.04			--					C
	06S/02W-10G01 M																			
04/30/85	2400		69.1F	7.7	585	--	--	--	--	222	--	29	--	--	--		196			
1100	2400		20.6C	8.3	551					4.44		.82			--					S
	06S/02W-10Q03 M																			
04/30/85	2400		65.3F	7.6	700	--	--	--	--	258	--	32	--	--	--		270			
1300	2400		18.5C	8.1	694					5.15		.90			--					S
	06S/02W-15G04 M																			
04/30/85	2400		65.8F	7.4	800	--	--	--	--	198	--	102	--	--	--		234			
1130	2400		18.8C	7.8	777					3.96		2.88			--					S
	06S/02W-15L06 M																			
11/19/84	2400		59.7F	7.1	1345	--	--	--	--	386	--	32	--	--	--		404			Y
	2400		15.4C	7.9	842					7.71		.90			--					S
	06S/02W-15L07 M																			
11/21/84	2400		51.1F	7.4	1600	--	--	--	--	458	--	50	--	--	--		644			
	2400		10.6C	7.5	1572					9.15		1.41			--					S
	06S/02W-15L13 M																			
11/19/84	2400		60.6F	6.6	1300	--	--	--	--	246	--	51	--	--	--		740			
	2400		15.9C	7.5	1282					4.92		1.44			--					S
	06S/02W-15M12 M																			
11/19/84	2400			7.0	960	--	--	--	--	234	--	39	--	--	--		484			
	2400			7.7	984					4.68		1.10			--					S
	06S/02W-17L03 M																			
10/09/84	2400		68 F	7.6	990	--	--	--	--	--	--	56	--	--	--					
1400	2400		20 C	7.8	1027							1.58			--					C
01/23/85	2400		57.2F	8.5	1060	--	--	--	--	--	--	57	--	--	--					
1137	2400		14.0C	7.4	1066							1.61			--					C
04/26/85	2400		66 F			--	--	--	--	--	--	65	--	--	--					
1230	2400		19 C	7.4	1322							1.83			--					C
07/02/85	2400		70 F	7.4	1170	--	--	--	--	--	--	60	--	--	--					
	2400		21 C	7.3	1117							1.69			--					S
	06S/02W-19M01 M																			
07/26/85	5701		70 F			51	24	59	1.0	285	23	34	15.0	--	.1		226	1.7		
1200	5701		21 C	7.4	695	2.54	1.97	2.57	.03	5.69	.48	.96	.24		30.0	408	0	3.9		
						36	28	36	0	77	7	13	3							C
	06S/02W-19M10 M																			
07/26/85	5701		70 F			51	24	52	1.0	253	20	40	14.0	--	.1		226	1.5		
1144	5701		21 C	7.7	615	2.54	1.97	2.26	.03	5.05	.42	1.13	.29		30.0	388	0	3.3		
						37	29	33	0	73	6	16	4							
	06S/02W-20N01 M																			
08/12/85	2400		68 F	7.7	650	81	29	36	--	276	--	53	--	--	--		322	0.9		
1310	5050		20 C	8.7	747	4.04	2.38	1.57		5.51		1.49			--		46	2.1		
						51	30	20												C
	06S/02W-24C01 M																			
04/30/85	2400		70.3F	7.6	655	--	--	--	--	224	--	36	--	--	--		244			
1210	2400		21.3C	8.0	650					4.48		1.02			--					S
	06S/02W-24D01 M																			
04/30/85	2400		69.3F	7.4	640	--	--	--	--	220	--	36	--	--	--		230			
1145	2400		20.7C	7.9	624					4.40		1.02			--					S
	06S/02W-24D03 M																			
04/30/85	2400		71.6F	7.5	655	--	--	--	--	224	--	36	--	--	--		240			
1200	2400		22.0C	8.0	648					4.48		1.02			--					S
	06S/02W-28N01 M																			
06/24/85	5701		68 F			90	37	30	1.1	285	37	64	30.0	--	.1		380	0.7		
1302	5701		20 C	7.5	890	4.49	3.04	1.31	.03	5.69	.77	1.80	.48		35.0	496	92	1.7		
						51	34	15	0	65	9	21	5							
	06S/02W-29B02 M																			
06/24/85	5701		68 F			94	40	40	1.3	367	25	49	30.0	--	.1		402	0.9		
1103	5701		20 C	7.5	955	4.69	3.29	1.74	.03	7.33	.52	1.38	.48		32.0	531	33	2.3		
						48	34	18	0	75	5	14	5							
	06S/02W-34M01 M																			
11/19/84	2400		61 F		800	--	--	24	--	286	28	47	49.3	.28	.1	448	384			
0925	2400		16 C	7.6	805			1.04		5.71	.58	1.33	.80		--					
								12		68	7	16	10							
06/12/85	2400		66 F	7.4	680	73	33	25	--	231	--	52	--	--	--		318	0.6		
1240	5050		19 C	8.2	729	3.64	2.71	1.09		4.62		1.47			--		97	1.4		
						49	36	15												S

TABLE E-1 (CONTINUED)

MINERAL ANALYSES OF GROUND WATER

DATE TIME	SAMPLER LAB		TEMP	FIELD LABORATORY PH	EC	MINERAL CONSTITUENTS IN MILLIGRAMS PER LITER / MILLIEQUIVALENTS PER LITER / PERCENT REACTANCE VALUE CA	MG	NA	K	CACO3	SO4	CL	NO3	B TURB	F SIO2	TDS SUM	TH NCH	SAR ASAR	REM
	E	SAN FRANCISCO BAY HB																	
	E-05	SANTA CLARA HU																	
	E-05.C	COYOTE CREEK HA																	
	06S/02W-34N01 M																		
07/26/85	5701		64 F			94	44	24	1.0	294	38	74	58.0	--	.1		414	0.5	
1315	5701		18 C	7.4	980	4.69	3.62	1.04	.03	5.87	.79	2.09	.94		29.0	537	122	1.3	
						50	39	11	0	61	8	22	10						C
	06S/02W-34N03 M																		
07/26/85	5701		68 F			86	40	27	1.0	274	26	54	78.0	--	.1		380	0.6	
1106	5701		20 C	7.4	810	4.29	3.29	1.17	.03	5.47	.54	1.52	1.26		32.0	508	104	1.5	
						49	37	13	0	62	6	17	14						
	06S/03W-01C11 M																		
10/09/84	2400		77 F	6.6	1150	--	--	--	--	--	--	45	--	--	--				
1515	2400		25 C	7.2	1077							1.27			--				
																			S
01/23/85	2400		47.3F	7.4	900	--	--	--	--	--	--	44	--	--	--				
1335	2400		8.5C	6.9	1077							1.24			--				
																			S
04/26/85	2400		68 F	6.9	990	--	--	--	--	--	--	43	--	--	--				
1325	2400		19 C	7.2	1093							1.21			--				
																			C
07/02/85	2400		72 F	6.3	1030	--	--	--	--	--	--	41	--	--	--				
	2400		22 C	7.1	1166							1.16			--				
																			S
	07S/01W-06A01 M																		
08/12/85	2400		73 F	8.9	780	10	2.0	3.0	1.1	26	3.0	5.0	.7	.0	--	49	33	0.2	Y
1000	5050		23 C	8.2	80	.50	.16	.13	.03	.52	.06	.14	.01		--	40	7	0.1	
						61	20	16	4	71	8	19	1						
	07S/01W-06P01 M																		
06/25/85	5701		64 F			65	29	38	1.4	257	18	52	29.0	--	.2		292	1.0	
1245	5701		18 C	7.4	765	3.24	2.38	1.65	.04	5.13	.37	1.47	.47		34.0	420	25	2.3	
						44	33	23	1	69	5	20	6						
	07S/01W-09K01 M																		
06/24/85	5701		68 F			58	20	30	1.2	205	19	32	20.0	--	.2		226	0.9	
1322	5701		20 C	7.3	595	2.89	1.64	1.31	.03	4.10	.37	.90	.32		34.0	336	22	1.9	
						49	28	22	1	72	7	16	6						
	07S/01W-13E02 M																		
08/21/85	5701		64 F			50	20	22	1.0	173	42	25	4.0	--	.1		208	0.7	
1015	5701		18 C	7.2	465	2.50	1.64	.96	.03	3.46	.87	.71	.06		26.0	294	34	1.4	
						49	32	19	1	68	17	14	1						
	07S/01W-13F04 M																		
07/09/85	5701		63 F			48	19	20	1.4	156	42	26	6.0	--	.1		198	0.6	
0001	5701		17 C	7.7	465	2.40	1.56	.87	.04	3.12	.87	.73	.10		24.0	280	42	1.2	
						49	32	18	1	65	18	15	2						
	07S/01W-13J02 M																		
08/21/85	5701		63 F			66	20	18	1.4	175	46	41	10.0	--	.1		250	0.5	
1000	5701		17 C	7.6	545	3.29	1.64	.78	.04	3.50	.96	1.16	.16		21.0	324	72	1.1	
						57	29	14	1	61	17	20	3						
	07S/01W-13J03 M																		
07/11/85	5701		63 F			58	19	18	1.3	160	43	34	13.0	--	.2		224	0.5	
1015	5701		17 C	7.8	525	2.89	1.56	.78	.03	3.20	.90	.96	.21		26.0	308	63	1.1	
						55	30	15	1	61	17	18	4						
	07S/01W-13K03 M																		
07/11/85	5701		63 F			62	19	18	1.4	170	45	32	15.0	--	.1		234	0.5	
1015	5701		17 C	7.8	535	3.00	1.56	.78	.04	3.40	.94	.90	.24		26.0	320	63	1.1	
						56	29	14	1	62	17	16	4						
	07S/01W-22E08 M																		
10/18/84	5701		63 F			42	22	21	1.1	146	49	25	10.0	--	.1		197	0.7	
1345	5701		17 C	7.5	473	2.10	1.81	.91	.03	2.92	1.02	.71	.16		29.0	286	50	1.3	
						43	37	19	1	61	21	15	3						
	07S/01W-22E12 M																		
07/10/85	5701		68 F			45	24	19	1.1	162	39	26	14.0	--	.1		210	0.6	
0630	5701		20 C	7.7	490	2.25	1.97	.83	.03	3.24	.81	.73	.23		30.0	295	49	1.2	
						44	39	16	1	65	16	15	5						
	07S/01W-22E13 M																		
07/10/85	5701		68 F			49	27	22	1.2	190	37	24	21.0	--	.1		234	0.6	
0630	5701		20 C	7.5	535	2.45	2.22	.96	.03	3.80	.77	.68	.34		30.0	325	44	1.3	
						43	39	17	1	68	14	12	6						
	07S/01W-23R01 M																		
07/01/85	5701		63 F			47	17	24	1.0	148	43	38	4.0	--	.2		189	0.8	
0815	5701		17 C	7.7	500	2.35	1.40	1.04	.03	2.96	.90	1.07	.06		24.0	297	40	1.9	
						49	29	22	1	59	19	21	1						
	07S/01W-23R02 M																		
08/28/85	5701					55	19	20	1.4	147	41	43	4.0	--	.1		217	0.6	
0800	5701			7.8	500	2.74	1.56	.87	.04	2.94	.85	1.21	.05		21.0	293	68	1.2	
						53	30	17	1	58	17	24	1						
	07S/01W-23R03 M																		
07/01/85	5701		63 F			49	17	17	1.1	128	41	35	4.0	--	.2		190	0.5	
0815	5701		17 C	7.6	465	2.45	1.40	.74	.03	2.56	.85	.99	.06		19.0	260	65	1.0	
						53	30	16	1	57	19	22	1						
	07S/01W-23R04 M																		
08/28/85	5701					53	14	22	1.1	149	42	35	5.0	--	.1		190	0.7	
1715	5701			7.8	475	2.64	1.15	.96	.03	2.98	.87	.99	.08		21.0	282	41	1.4	
						55	24	20	1	61	18	20	2						

TABLE E-1 (CONTINUED)

MINERAL ANALYSES OF GROUND WATER

DATE TIME	SAMPLER LAB		TEMP	FIELD LABORATORY PH	EC	MINERAL CONSTITUENTS IN MILLIGRAMS PER LITER / MILLIEQUIVALENTS PER LITER / PERCENT REACTANCE VALUE CA	MG	NA	K	CACO3	SO4	CL	NO3	B TURB	F SIO2	TDS SUM	TH NCH	SAR ASAR	REM
	E	SAN FRANCISCO BAY HR																	
	E-05	SANTA CLARA HU																	
	E-05.C	COYOTE CREEK HA																	
	07S/01W-23R07 M																		
10/21/84	5701		66	F		44	18	27	1.2	158	45	29	4.0	--	.1		184	0.9	
1630	5701		19	C	7.7	475	2.20	1.48	1.17	.03	3.16	.94	.82	.06		26.0	289	26	1.7	
							45	30	24	1	63	19	16	1						
	07S/01W-24J02 M																		
08/19/85	5701		70	F			52	20	44	.7	208	32	43	12.0	--	.2		214	1.3	
0900	5701		21	C	7.7	590	2.59	1.64	1.91	.02	4.16	.67	1.21	.19		21.0	349	4	2.8	
							42	27	31	0	67	11	19	3						
	07S/01W-24J03 M																		
08/26/85	5701		66	F			57	14	47	1.6	165	40	66	12.0	--	.2		202	1.4	
0845	5701		19	C	7.6	625	2.84	1.15	2.04	.04	3.30	.83	1.86	.19		24.0	361	35	2.9	
							47	19	34	1	53	13	30	3						
	07S/01W-26R02 M																		
08/21/85	5701		63	F			57	18	16	1.0	137	43	49	1.0	--	.1		216	0.5	
0830	5701		17	C	7.6	485	2.84	1.48	.70	.03	2.74	.90	1.38	.02		24.0	291	79	0.9	
							56	29	14	1	54	18	27	0						
	07S/01W-26R03 M																		
08/26/85	5701		63	F			57	19	17	1.2	139	42	48	3.0	--	.2		219	0.5	
0830	5701		17	C	7.7	490	2.84	1.56	.74	.03	2.78	.87	1.35	.05		21.0	292	81	1.0	
							55	30	14	1	55	17	27	1						
	07S/02W-03A02 M																		
06/25/85	5701		66	F			64	20	26	1.2	221	28	32	17.0	--	.2		243	0.7	
1245	5701		19	C	7.4	620	3.19	1.64	1.13	.03	4.42	.58	.90	.27		28.0	349	21	1.6	
							53	27	19	1	72	9	15	4						
	E-06	SAN PABLO HU																	
	E-06.B	NOVATO HA																	
	03N/07W-14F01 M																		
08/29/85	5050		63	F	7.1	657	28	28	63	--	189	--	62	--	--	--		185	2.0	
1430	5050		17	C	8.6	640	1.40	2.30	2.74		3.78		1.75			--		0	4.1	
							22	36	43											S
	E-06.C	PETALUMA RIVER HA																	
	03N/06W-01Q01 M																		
08/29/85	5050		68	F	7.3	1310	29	30	236	4.9	474	5.0	146	6.6	.3	--	749	106	7.3	
1530	5050		20	C	8.6	1320	1.45	2.47	10.27	.13	9.47	.10	4.12	.11		--	742	0	17.4	
							10	17	72	1	69	1	30	1						S
	04N/06W-08E01 M																		
08/29/85	5050				7.2	1086	30	60	82	--	316	--	99	--	--	--		322	2.0	
1245	5050				8.3	961	1.50	4.93	3.57		6.31		2.79			--		6	4.9	
							15	49	36											S
	04N/06W-21Q01 M																		
08/29/85	5050				7.4	983	12	10	192	--	300	--	120	--	--	--		71	9.9	
1330	5050				8.7	994	.60	.82	8.35		5.99		3.38			--		0	17.5	
							6	8	85											S
	05N/06W-30001 M																		
08/29/85	5050				7.3	1085	17	22	167	--	257	--	114	--	--	--		133	6.3	
1100	5050				8.4	1000	.85	1.81	7.26		5.13		3.21			--		0	12.4	
							9	18	73											S
	05N/07W-20L03 M																		
08/29/85	5050				6.5	1095	125	16	85	--	211	--	175	--	--	--		378	1.9	
1000	5050				8.5	1100	6.24	1.32	3.70		4.22		4.94			--		167	4.4	
							55	12	33											S
	E-06.D	SONOMA CREEK HA																	
	05N/05W-18D02 M																		
08/08/85	5050		64	F	6.6	508	26	22	44	--	146	--	37	--	--	--		156	1.9	
1400	5050		18	C	8.5	507	1.30	1.81	1.91		2.92		1.04			--		10	2.8	
							26	36	38											S
	05N/05W-28R01 M																		
08/08/85	5050		68	F	8.0	1125	11	12	206	--	342	--	115	--	--	--		77	10.2	
1500	5050		20	C	8.8	1080	.55	.99	8.96		6.83		3.24			--		0	19.9	
							5	9	85											S
	06N/06W-10M02 M																		
08/08/85	5050		64	F	6.7	299	16	12	22	4.2	84	31	23	.0	.1	--	229	90	1.0	E
1045	5050		18	C	8.4	299	.80	.99	.96	.11	1.68	.65	.65	.00		--	159	6	1.4	T
							28	35	34	4	56	22	22	0						
	06N/06W-23M02 M																		
08/08/85	5050		74	F	7.9	438	12	7.0	61	--	110	--	66	--	--	--		59	3.5	
0930	5050		23	C	8.5	444	.60	.58	2.65		2.20		1.86			--		0	4.6	
							16	15	69											S
	07N/06W-29P01 M																		
08/28/85	5050		63	F	7.1	232	16	10	20	1.5	121	4.0	5.0	.0	.1	--	153	81	1.0	
1000	5050		17	C	8.5	236	.80	.82	.87	.04	2.42	.08	.14	.00		--	129	0	1.5	
							32	32	34	2	92	3	5	0						
	E-06.E	NAPA RIVER HA																	
	04N/04W-05C01 M																		
08/06/85	5050		70	F	6.3	346	13	11	37	--	15	--	25	--	--	--		78	1.8	
1230	5050		21	C	8.3	353	.65	.90	1.61		.30		.71			--		63	1.1	
							21	28	51											S

TABLE E-1 (CONTINUED)

MINERAL ANALYSES OF GROUND WATER

DATE TIME	SAMPLER LAB	TEMP		FIELD LABORATORY PH	EC	MINERAL CONSTITUENTS IN MILLIEQUIVALENTS PER LITER PERCENT REACTANCE VALUE CA	MG	NA	K	MILLIGRAMS PER LITER C4CO3	SO4	CL	NO3	B TURB	F SIO2	TDS SUM	TH NCH	SAR ASAR	PER
	E			SAN FRANCISCO BAY HB															
	E-06			SAN PABLO HU															
	E-06.E			NAPA RIVER HA															
	04N/04W-05Q02 M																		
08/06/85	5050			7.3	694	32	17	88	--	194	--	81	--	--	--		150	3.1	
1145	5050			8.7	677	1.60	1.40	3.83		3.88		2.28			--		0	6.0	
						23	20	56											S
	04N/04W-14C02 M																		
08/06/85	5050	67	F	7.2	1599	66	45	149	1.6	158	42	337	6.6	.1	--	824	350	3.5	
1015	5050	19	C	8.1	1500	3.29	3.70	6.48	.04	3.16	.87	9.50	.11		--	742	192	7.4	
						24	27	48	0	23	6	70	1						
	05N/04W-09Q02 M																		
08/06/85	5050			7.3	488	24	14	67	.7	175	12	43	1.1	.1	--	297	118	2.7	
1415	5050			8.7	491	1.20	1.15	2.91	.02	3.50	.25	1.21	.02		--	267	0	4.8	
						23	22	55	0	70	5	24	0						S
	05N/04W-29H01 M																		
08/06/85	5050	72	F	6.0	832	60	32	44	--	127	--	127	--	--	--		281	1.1	
1320	5050	22	C	8.4	813	2.99	2.63	1.91		2.54		3.58			--		154	2.3	
						40	35	25											S
	06N/04W-15Q01 M																		
08/07/85	5050	67	F	6.7	242	16	8.0	22	--	103	--	12	--	--	--		73	1.1	
1000	5050	19	C	8.5	246	.80	.66	.96		2.06		.34			--		0	1.6	
						33	27	40											S
	07N/05W-27A01 M																		
08/07/85	5050			7.2	544	32	18	48	--	200	--	48	--	--	--		154	1.7	
1215	5050			8.6	543	1.60	1.48	2.09		4.00		1.35			--		0	3.3	
						31	29	40											S
	08N/06W-06L05 M																		
08/07/85	5050			7.4	292	6.0	5.0	49	--	117	--	6.0	--	--	--		36	3.6	
1330	5050			8.5	297	.30	.41	2.13		2.34		.17			--		0	4.1	
						11	14	75											S
	09N/07W-36H04 M																		
08/07/85	5050	84	F	7.2	404	17	9.0	52	--	151	--	26	--	--	--		80	2.5	
1415	5050	29	C	8.5	395	.85	.74	2.26		3.02		.73			--		0	4.0	
						22	19	59											S
	E-07			SUISUN HU															
	E-07.8			FAIRFIELD HA															
	E-07.81			BENICIA HSA															
	04N/03W-12G01 M																		
07/17/85	5050			7.6	2228	189	59	211	--	444	--	311	--	--	--		715	3.4	
1345	5050			8.2	2200	9.43	4.85	9.18		8.87		8.77			--		271	9.8	
						40	21	39											S
	E-07.82			SUISUN CREEK HSA															
	04N/02W-05Q02 M																		
07/16/85	5050	66	F	7.1	1360	102	52	89	--	305	--	152	--	--	--		469	1.8	
1515	5050	19	C	7.7	1290	5.09	4.28	3.87		6.09		4.29			--		164	4.6	
						38	32	29											S
	05N/02W-08H07 M																		
07/17/85	5050	64	F	7.3	542	44	18	56	--	197	--	15	--	--	--		184	1.8	
1030	5050	18	C	8.1	549	2.20	1.48	2.44		3.94		.42			--		0	3.7	
						36	24	40											S
	05N/02W-21P03 M																		
07/17/85	5050	66	F	7.1	940	85	34	72	--	371	--	29	--	--	--		352	1.7	
0915	5050	19	C	8.1	916	4.24	2.80	3.13		7.41		.82			--		0	4.3	
						42	28	31											S
	E-07.83			SUISUN SLU HSA															
	03N/01E-22F02 M																		
07/18/85	5050			8.1	2160	48	46	355	--	394	--	346	--	--	--		309	8.8	
1300	5050			8.6	2130	2.40	3.78	15.44		7.87		9.76			--		0	21.4	
						11	17	71											S
	04N/01E-20F01 M																		
07/18/85	5050			7.5	757	87	18	43	--	176	--	89	--	--	--		291	1.1	
1215	5050			8.4	739	4.34	1.48	1.87		3.52		2.51			--		115	2.4	
						56	19	24											S
	04N/02W-04A01 M																		
07/17/85	5050	65	F	7.3	1385	44	75	136	2.0	500	126	60	10.0	1.4	--	773	419	2.9	
1300	5050	18	C	8.1	1340	2.20	6.17	5.92	.05	9.99	2.62	1.69	.16		--	754	0	7.0	
						15	43	41	0	69	18	12	1						
	04N/02W-09H01 M																		
07/17/85	5050			8.0	3680	76	92	528	2.1	293	18	966	.1	5.2	--	2020	568	9.6	
1445	5050			8.4	3620	3.79	7.57	22.97	.05	5.85	.37	27.24	.00		--	1863	276	24.2	
						11	22	67	0	17	1	81	0						S
	05N/01W-28P01 M																		
07/18/85	5050	64	F	7.5	767	74	25	52	--	254	--	82	--	--	--		288	1.3	
0930	5050	18	C	8.5	743	3.69	2.06	2.26		5.07		2.31			--		34	3.1	
						46	26	28											S
	05N/01W-35E01 M																		
07/17/85	5050	70	F	7.3	2625	127	54	309	--	217	--	598	--	--	--		540	5.8	
1530	5050	21	C	8.4	2580	6.34	4.44	13.44		4.34		16.86			--		322	13.9	
						26	18	55											S

TABLE E-1 (CONTINUED)

MINERAL ANALYSES OF GROUND WATER

DATE TIME	SAMPLER LAB		TEMP	FIELD LABORATORY PH	EC	MINERAL CONSTITUENTS IN MILLIEQUIVALENTS PER LITER CA	MG	NA	K	MILLIGRAMS PER LITER PERCENT REACTANCE VALUE CACO3	SO4	CL	NO3	MILLIGRAMS PER LITER B	F	TDS SUM	TH NCH	SAR ASAR	PER
	E	SAN FRANCISCO BAY HA																	
	E-07	SUISUN HU																	
	E-07.A	FAIRFIELD HA																	
	E-07.A3	SUISUN SLU HSA																	
	05N/02W-34N01 M																		
07/17/85	5050		63	F 7.5	1525	38	46	222	--	305	--	64	--	--	--		284	5.7	
1215	5050		17	C 8.1	1430	1.90	3.78	9.66		10.09		1.80			--		0	14.6	
						12	25	63											S
	E-07.C	CONCORD HA																	
	E-07.C1	PITTSBURG HSA																	
	02N/01E-18001 M																		
07/25/85	5050		68	F 7.5	799	56	25	70	--	245	--	75	--	--	--		243	2.0	
1500	5050		20	C 8.4	768	2.79	2.06	3.05		4.90		2.12			--		0	4.4	
						35	26	39											S
	01N/01W-04A01 M																		
07/25/85	5050			7.1	607	46	37	29	--	225	--	27	--	--	--		267	0.8	
1300	5050			8.4	602	2.30	3.04	1.26		4.50		.76			--		42	1.7	
						35	46	19											S
	01N/01W-07K01 M																		
07/25/85	5050			7.2	2500	126	96	296	--	282	--	160	--	--	--		710	4.9	
1030	5050			8.1	2360	6.29	7.90	12.88		5.63		4.51			--		428	12.7	
						23	29	48											S
	02N/01W-09D01 M																		
07/25/85	5050			7.5	2110	90	64	300	--	304	--	333	--	--	--		389	6.6	
1415	5050			8.3	2020	2.50	5.26	13.05		6.07		9.39			--		85	16.1	
						.12	25	63											S
	02N/02W-13P01 M																		
07/25/85	5050			7.4	1120	56	44	129	--	200	--	183	--	--	--		321	3.1	
1345	5050			8.4	1100	2.79	3.62	5.61		4.00		5.16			--		121	7.0	
						23	30	47											S
	E-07.C3	MARTINEZ HSA																	
	02N/02W-35D01 M																		
07/25/85	5050		65	F 7.3	3050	105	152	318	--	364	--	368	--	--	--		888	4.8	
0945	5050		18	C 8.0	2820	5.24	12.50	13.83		7.27		10.39			--		524	13.1	
						17	40	44											S

TABLE E-1 (CONTINUED)

MINERAL ANALYSES OF GROUND WATER

DATE TIME	SAMPLER LAB		TEMP	FIELD LABORATORY PH	FIELD LABORATORY EC	MINERAL CONSTITUENTS IN MILLIGRAMS PER LITER / MILLIEQUIVALENTS PER LITER / PERCENT REACTANCE VALUE CA	MG	NA	K	CACO3	SO4	CL	NO3	B TURB	F SIO2	TDS SUM	TH NCH	SAR ASAR	REM
		F	NORTH COAST HR																
		F-13	MENDOCINO COAST HU																
		F-13.B	NOYO RIVER HA																
		19N/17W-30G01 M																	
07/25/85	5050		60.0F	6.1	300	8.0	5.0	42	.9	21	--	64	5.8	--	--		40	2.9	
1500	5050		15.5C	7.9	311	.40	.41	1.83	.02	.42		1.80	.09		--		20	1.3	
						15	15	69	1										S
		19N/17W-30Q01 M																	
07/25/85	5050		65.0F	7.1	400	--	--	--	--	--	--	--	--	--	--				
1520	0000		18.3C												--				
		F-13.C	BIG RIVER HA																
		17N/17W-30F02 M																	
07/25/85	5050		65.0F	6.2	300	--	--	--	--	--	--	--	--	--	--				
1450	0000		18.3C												--				
		17N/17W-30M01 M																	
07/25/85	5050			6.7	330	--	--	--	--	--	--	--	--	--	--				
1205	0000														--				
		F-13.E	NAVARRO RIVER HA																
		13N/14W-02L01 M																	
07/25/85	5050		69.0F	7.4	260	22	9.0	--	.7	--	--	10	26.0	.1	--		92		
0930	0000		20.5C		266	1.10	.74		.02			.28	.42		--				
																			S
		13N/14W-11A01 M																	
07/25/85	5050		67.0F	7.0	265	--	--	--	--	--	--	--	--	--	--				
0900	0000		19.4C												--				
		14N/14W-18R02 M																	
07/25/85	5050		69.0F	6.1	170	--	--	--	--	--	--	--	--	--	--				
1110	0000		20.5C												--				
		14N/14W-19R01 M																	
07/25/85	5050		64.0F	6.6	280	--	--	--	--	--	--	--	--	--	--				
1050	0000		17.8C												--				
		14N/14W-34R06 M																	
07/25/85	5050		70.0F	7.4	510	23	14	--	.8	--	--	41	--	3.8	1.5		115		
1020	0000		21.1C		519	1.15	1.15		.02			1.16			--				
																			S
		F-13.F	POINT ARENA HA																
		F-13.F4	BRUSH CREEK HSA																
		13N/17W-24D01 M																	
07/25/85	5050		62.0F	7.0	260	8.0	4.0	31	--	20	--	44	15.0	--	--		36	2.2	
1300	5050		16.7C	7.9	244	.40	.33	1.35		.40		1.24	.24		--		17	0.9	
						19	16	65											S
		13N/17W-25H01 M																	
07/25/85	5050		64.0F	7.2	360	39	4.0	23	--	103	--	31	--	--	--		114	0.9	
1245	5050		17.8C	8.4	329	1.95	.33	1.00		2.06		.87			--		11	1.5	
						59	10	30											S
		F-13.G	GARCIA RIVER HA																
		12N/16W-18K01 M																	
07/25/85	5050		60.0F	6.3	320	--	--	--	--	--	--	--	--	--	--				
1220	0000		15.5C												--				
																			S
		12N/17W-12L01 M																	
07/25/85	5050		59.0F	6.8	175	--	--	--	--	--	--	--	--	--	--				
1155	0000		15.0C												--				
																			S
		F-14	RUSSIAN RIVER HU																
		F-14.B	MIDDLE RUSSIAN RIVER HA																
		F-14.B5	GEYSERVILLE HSA																
		10N/09W-18N01 M																	
08/28/85	5050		63 F	6.4	353	27	19	17	--	133	--	6.0	--	--	--		146	0.6	
1430	5050		17 C	8.4	359	1.35	1.56	.74		2.66		.17			--		13	1.1	
						37	43	20											S
		10N/09W-33D01 M																	
08/28/85	5050		64 F	6.9	340	22	24	12	--	134	--	8.0	--	--	--		154	0.4	
1130	5050		18 C	8.5	349	1.10	1.97	.52		2.66		.23			--		20	0.8	
						31	55	14											S
		10N/10W-12G01 M																	
08/28/85	5050		64 F	6.9	339	31	20	9.0	.9	162	15	4.0	1.0	.5	--	199	160	0.3	
1345	5050		18 C	8.6	340	1.55	1.64	.39	.02	3.24	.31	.11	.02		--	179	0	0.6	
						43	46	11	1	99	8	3	1						
		11N/10W-28N01 M																	
08/28/85	5050		65 F	6.9	373	42	17	10	--	180	--	5.0	--	--	--		175	0.3	
1530	5050		18 C	8.6	377	2.10	1.40	.44		3.60		.14			--		0	0.7	
						53	36	11											S

TABLE E-1 (CONTINUED)

MINERAL ANALYSES OF GROUND WATER

DATE TIME	SAMPLER LAB		TEMP	FIELD LABORATORY	PH	EC	MINERAL CONSTITUENTS IN MILLIGRAMS PER LITER / MILLIEQUIVALENTS PER LITER / PERCENT REACTANCE VALUE								MILLIGRAMS PER LITER					REM
							CA	MG	NA	K	CACO3	SO4	CL	NO3	B TURB	F SIO2	TDS SUM	TH NCH	SAR ASAR	
	F	NORTH COAST HR																		
	F-14	RUSSIAN RIVER HU																		
	F-14.C	UPPER RUSSIAN RIVER HA																		
	F-14.C1	UKIAH HSA																		
	12N/11W-02F01 M																			
09/21/85	5050		65	F	7.2	393	40	22	12	--	185	--	4.0	--	--	--		191	0.4	
1445	5050		18	C	8.6	393	2.00	1.81	.52		3.70		.17			--		6	0.8	
							46	42	12											C
	13N/11W-18D02 M																			
09/21/85	5050		63	F	7.1	501	27	48	16	.7	247	32	13	8.4	1.4	--	307	265	0.4	
1345	5050		17	C	8.6	542	1.35	3.95	.70	.02	4.94	.67	.37	.14		--	295	19	1.0	
							22	66	12	0	81	11	6	2						
	14N/12W-11N01 M																			
09/21/85	5050				7.1	411	30	28	11	--	159	--	12	--	--	--		190	0.3	
1115	5050				8.6	413	1.50	2.30	.48		3.18		.34			--		31	0.7	
							35	54	11											C
	14N/12W-26K01 M																			
09/21/85	5050		67	F	6.5	557	35	39	18	--	213	--	33	--	--	--		248	0.5	
1230	5050		19	C	8.6	542	1.75	3.21	.78		4.26		.93			--		35	1.1	
							30	56	14											S
	F-14.C2	COYOTE VALLEY HSA																		
	17N/11W-17001 M																			
08/20/85	5050		62	F	6.3	306	28	16	10	.2	138	12	6.0	7.1	.2	--	179	136	0.4	
1600	5050		17	C	8.5	310	1.40	1.32	.44	.01	2.76	.25	.17	.11		--	142	0	0.7	
							44	42	14	0	84	8	5	3						
	17N/11W-29F01 M																			
08/20/85	5050		61	F	6.1	301	23	19	10	--	121	--	7.0	--	--	--		126	0.4	
1515	5050		16	C	8.5	304	1.15	1.56	.44		2.50		.20			--		11	0.7	
							37	50	14											C
	F-14.C3	FORSYTHE CREEK HSA																		
	16N/12W-05D01 M																			
08/21/85	5050		63	F	6.7	359	24	22	24	.6	167	8.0	20	.2	.0	--	219	151	0.8	
1000	5050		17	C	8.6	381	1.20	1.81	1.04	.02	3.34	.17	.56	.00		--	199	0	1.6	
							29	44	26	0	82	4	14	0						
	16N/12W-09001 M																			
09/21/85	5050				7.2	419	28	18	39	--	206	--	10	--	--	--		144	1.4	
0900	5050				8.6	421	1.40	1.48	1.70		4.16		.28			--		0	2.8	
							31	32	37											S

TABLE E-1 (CONTINUED)

MINERAL ANALYSES OF GROUND WATER

DATE TIME	SAMPLER LAB		TEMP	FIELD LABORATORY PH	FIELD LABORATORY EC	MINERAL CONSTITUENTS IN MILLIGRAMS PER LITER / MILLIEQUIVALENTS PER LITER / PERCENT REACTANCE VALUE CA	MG	NA	K	CACO3	SO4	CL	NO3	B TURB	F SIO2	TDS SUM	TH NCH	SAR ASAR	PEM
	T	CENTRAL COAST HB																	
	T-05	PAJARO RIVER HU																	
	T-05.A	WATSONVILLE HA																	
	12S/02E-12J01 M																		
09/03/85	5115					101	75	103	3.0	346	220	98	2.7	--	--		540	1.9	
	5115			7.4	1245	5.04	6.17	4.48	.08	6.91	4.58	2.76	.04		--	810	215	5.1	C
						32	39	28	1	48	32	19	0						S
	12S/02E-12K01 M																		
09/03/85	5115					116	98	104	2.8	424	260	102	2.7	--	--		670	1.7	
	5115			7.6	1400	5.79	8.06	4.52	.07	8.47	5.41	2.88	.04		--	940	269	4.9	C
						31	44	25	0	50	32	17	0						S
	12S/02E-14N01 M																		
09/16/85	5115					42	24	46	2.0	220	3.0	32	9.3	--	--		196	1.4	
	5115			7.1	515	2.10	1.97	2.00	.05	4.40	.06	.90	.15		--	290	0	3.0	
						34	32	33	1	80	1	16	3						S
	12S/02E-15E01 M																		
09/03/85	5115					90	57	71	2.7	422	55	70	2.7	--	--		470	1.4	
	5115			7.4	1000	4.49	4.69	3.09	.07	8.43	1.15	1.97	.04		--	601	38	3.9	
						36	38	25	1	73	10	17	0						S
	12S/02E-16F01 M																		
09/03/85	5115					69	33	57	3.1	328	40	35	--	--	--		320	1.4	
	5115			7.5	730	3.44	2.71	2.48	.08	6.55	.83	.99			--	435	0	3.4	
						39	31	28	1										S
	12S/02E-16J01 M																		
09/03/85	5115					66	41	59	2.5	340	20	46	2.2	--	--		330	1.4	
	5115			7.5	760	3.29	3.37	2.57	.06	6.79	.60	1.30	.04		--	450	0	3.5	
						35	36	28	1	78	7	15	0						S
	12S/02E-17R01 M																		
09/03/85	5115					82	37	60	3.0	354	41	34	--	--	--		380	1.3	
	5115			7.5	775	4.09	3.04	2.61	.08	7.07	.85	.96			--	470	3	3.4	
						42	31	27	1										S
	12S/02E-31A02 M																		
09/03/85	5115					48	38	45	3.2	222	86	39	--	--	--		284	1.2	
	5115			7.8	655	2.40	3.13	1.96	.08	4.44	1.79	1.10			--	392	55	2.6	
						32	41	26	1										S
	12S/02E-31C05 M																		
09/04/85	5115					59	45	74	3.5	76	114	100	208	--	--		328	1.8	
	5115			6.9	965	2.94	3.70	3.22	.09	1.52	2.37	2.82	3.36		--	649	256	3.2	
						30	37	32	1	15	24	28	33						
	12S/03E-08C02 M																		
09/04/85	5115					82	48	117	3.2	328	180	84	3.1	--	--		420	2.5	
	5115			7.3	1105	4.09	3.95	5.09	.08	6.55	3.75	2.37	.05		--	714	75	6.3	
						31	30	39	1	51	29	19	0						S
	12S/03E-18E04 M																		
09/03/85	5115					100	95	94	2.2	480	135	60	117	--	--		660	1.6	
	5115			7.4	1345	4.99	7.81	4.09	.06	9.59	2.81	1.69	1.89		--	891	161	4.6	C
						29	46	24	0	60	18	11	12						S
	13S/02E-05C02 M																		
09/04/85	5115					61	36	53	3.0	216	73	52	19.5	--	--		280	1.4	
	5115			7.5	685	3.04	2.96	2.31	.08	4.32	1.52	1.47	.31		--	427	84	3.1	
						36	35	28	1	57	20	19	4						S
	T-05.C	SOUTH SANTA CLARA VALLEY HA																	
	09S/03E-16J02 M																		
04/17/85	2400		63 F	6.6	690	--	--	26	1.4	206	78	37	79.6	.10	.1	444	318		
1010	2400		17 C	7.7	710			1.13	.04	4.12	1.62	1.04	1.26		--				
								15		51	20	13	16						
	09S/03E-27G04 M																		
04/24/85	2400		66 F	6.9	490	--	--	30	1.3	190	43	23	22.9	.12	.2	292	194		
1030	2400		19 C	7.4	485			1.31	.03	3.60	.90	.65	.37		--				
								25		65	16	12	7						
	10S/03E-01E02 M																		
04/18/85	2400		63 F	6.4	540	--	--	27	.8	160	40	33	45.3	.10	.1	327	222		
0930	2400		17 C	7.4	500			1.17	.02	3.20	.83	.93	.73		--				
								21		56	15	16	13						
07/22/85	2400		64 F	7.2	480	40	27	19	.4	148	35	22	44.0	.16	.2	304	214	0.6	
1235	2400		18 C	7.4	507	2.04	2.25	.83	.02	2.96	.73	.62	.71		--	279	67	1.1	
						40	44	16	0	59	15	12	14						
	10S/03E-05L02 M																		
07/15/85	2400		64 F	6.4	440	43	33	15	.1	224	16	16	15.0	.33	.4		244	0.4	
1026	2400		18 C	7.1	490	2.16	2.73	.65	.00	4.48	.33	.45	.24		--	273	21	0.9	
						39	49	12		81	6	8	4						
	10S/03E-11G10 M																		
07/22/85	2400		64.4F	7.4	450	44	21	18	.5	168	25	18	41.8	.17	.3	289	196	0.6	
1201	2400		18.0C	7.6	468	2.20	1.73	.78	.02	3.36	.52	.51	.67		--	270	29	1.1	
						47	37	16	0	66	10	10	13						S
	10S/03E-23J02 M																		
07/22/85	2400		64.4F	6.7	670	48	42	21	.2	166	43	53	78.8	.12	.3	403	296	0.5	
1000	2400		18.0C	7.4	672	2.44	3.49	.91	.01	3.32	.90	1.49	1.27		--	387	131	1.1	
						36	51	13	0	48	13	21	18						
	10S/03E-24N05 M																		
04/18/85	2400		65.3F	6.3	900	--	--	38	.4	212	86	73	161	.68	.1	616	414		
1045	2400		18.5C	7.5	940			1.65	.01	4.24	1.79	2.06	2.60		--				
								17		40	17	19	24						

TABLE E-1 (CONTINUED)

MINERAL ANALYSES OF GROUND WATER

DATE / TIME	SAMPLER / LAB	TEMP	FIELD LABORATORY PH	FIELD LABORATORY EC	MINERAL CONSTITUENTS IN MILLIGRAMS PER LITER / MILLIEQUIVALENTS PER LITER / PERCENT REACTANCE VALUE: CA	MG	NA	K	CACO3	SO4	CL	NO3	B TOPR	F SIO2	TDS SUM	TH NCH	SAR ASAR	PER
	T		CENTRAL COAST HR															
	T-05		PAJARO RIVER HU															
	T-05.C		SOUTH SANTA CLARA VALLEY HA															
	10S/04E-17F01 M																	
07/15/85	2400	75 F	6.6	1550	86	55	154	.6	238	32	340	35.6	.24	.4	1042	444	3.2	
1150	2400	24 C	7.6	1622	4.32	4.57	6.70	.02	4.76	.67	9.59	.57		--	868	207	7.7	
					28	29	43	0	31	4	62	4						
	10S/04E-18J01 M																	
07/22/85	2400	71.6F	7.3	600	60	22	24	1.2	162	28	32	47.5	.17	.3	340	244	0.7	
1100	2400	22.0C	7.5	567	3.00	1.88	1.04	.03	3.24	.59	.90	.77		--	313	82	1.4	
					50	32	17	1	59	11	16	14						S
	10S/04E-18J02 M																	
04/24/85	2400	64 F	6.3	550	--	.0	24	1.3	198	38	32	34.3	.11	.1	240	236		
0915	2400	18 C	7.6	541		.00	1.04	.03	3.96	.79	.90	.55		--				
							19		64	13	15	9						
	10S/04E-28D02 M																	
07/15/85	2400	73.4F	6.7	540	32	34	30	.8	194	17	24	39.6	.14	.3	332	220	0.9	
1145	2400	23.0C	7.7	493	1.60	2.81	1.31	.02	3.88	.35	.96	.64		--	304	27	1.9	
					28	49	23	0	67	6	16	11						
	10S/04E-29F01 M																	
04/29/85	2400	64 F	6.5	430	--	--	14	.8	190	44	19	32.1	.2	.2	299	230		
1230	2400	18 C	7.8	447			.61	.02	3.80	.92	.54	.52		--				
							12		66	16	9	9						
	10S/04E-31A01 M																	
04/22/85	2400	64 F	6.6	630	--	--	22	.9	256	77	26	49.3	.26	.1	440	342		
1020	2400	18 C	7.2	702			.96	.02	5.11	1.60	.73	.80		--				
							12		62	19	9	10						
	10S/04E-32H01 M																	
05/01/85	2400	66 F	6.9	460	--	--	23	1.4	192	63	34	23.8	.2	.2	305	204		
0945	2400	19 C	7.5	515			1.00	.04	3.84	1.31	.96	.36		--				
							20		59	20	15	6						
	10S/04E-34L05 M																	
04/22/85	2400	64 F	6.3	860	--	--	44	1.2	172	60	70	76.1	.20	.2	526	258		
0920	2400	18 C	7.1	797			2.13	.03	3.44	1.25	1.97	1.23		--				
							29		44	16	25	16						
07/15/85	2400	64.4F	6.3	860	71	45	52	1.1	268	53	63	70.4	.20	.4	565	366	1.2	
	2400	18.0C	7.3	889	3.56	3.77	2.26	.03	5.35	1.10	1.78	1.14		--	518	99	2.0	
					37	39	23	0	57	12	19	12						
	11S/03E-02E01 M																	
04/23/85	2400	64 F	6.3	400	92	12	17	1.0	156	42	21	6.2	.11	.1	249	180	0.6	
0910	2400	18 C	7.8	400	4.59	1.00	.74	.03	3.12	.87	.59	.10		--	285	124	1.1	
							17		67	19	13	2						S
	11S/04E-04P03 M																	
04/25/85	2400	64 F	7.2	530	--	--	30	1.6	206	38	23	27.3	.13	.1	329	204		
0915	2400	18 C	8.0	506			1.31	.04	4.12	.79	.65	.44		--				
							24		69	13	11	7						
	11S/04E-06R01 M																	
04/25/85	2400	66 F	6.8	480	--	--	22	.9	186	34	25	27.7	.11	.1	300	204		
1025	2400	19 C	7.7	477			.96	.02	3.72	.71	.71	.45		--				
							19		67	13	13	8						
07/23/85	2400	66.2F	7.3	470	44	22	21	.8	164	29	20	35.2	.15	.2	285	204	0.6	
0930	2400	19.0C	7.6		2.20	1.88	.91	.02	3.28	.60	.56	.57		--	271	40	1.3	
					44	38	18	0	65	12	11	11						
	11S/04E-08K01 M																	
05/06/85	2400	64 F	6.3	690	--	--	23	.9	238	77	29	1.2	.2	.2	411	314		
1025	2400	18 C	7.3	634			1.00	.02	4.76	1.60	.82	.02		--				
							14		66	22	11	0						
	11S/04E-10D04 M																	
04/30/85	2400	63 F	6.9	1020	--	--	35	1.5	314	145	10	106	.3	.1	635	482		
0940	2400	17 C	7.7	982			1.52	.04	6.27	3.02	.28	1.72		--				
							14		56	27	2	15						
	11S/04E-10D05 M																	
04/23/85	2400	64 F	6.4	800	--	--	21	1.8	306	87	27	79.2	.26	.1	529	382		
1045	2400	18 C	7.6	821			.91	.04	6.11	1.81	.76	1.28		--				
							11		61	18	8	13						
	11S/04E-15P01 M																	
05/02/85	2400	68 F	7.1	600	--	--	29	1.3	220	48	24	35.6	.2	.2	374	232		
1010	2400	20 C	7.8	576			1.26	.03	4.40	1.00	.68	.57		--				
							21		66	15	10	9						
	11S/04E-17L05 M																	
04/29/85	2400	64 F	6.8	470	--	--	19	.9	164	38	18	10.6	.2	.1	290	204		
1040	2400	18 C	7.9	444			.83	.02	3.68	.79	.51	.17		--				
							17		71	15	10	3						
	T-06		BOLSA NUEVA HU															
	12S/03E-33H01 M																	
09/17/85	5115				80	24	163	3.7	220	.0	260	--	--	--		290	4.2	
	5115		7.6	1185	3.99	1.97	7.09	.09	4.40	.00	7.33			--	664	78	9.2	
					30	15	54	1										S
	13S/02E-10G02 M																	
09/04/85	5115				30	17	60	2.5	112	6.0	97	5.4	--	--		144	2.2	
	5115		7.4	535	1.50	1.40	2.61	.06	2.24	.12	2.74	.14		--	288	93	3.7	
					27	25	47	1	43	2	52	3						S

TABLE E-1 (CONTINUED)

MINERAL ANALYSES OF GROUND WATER

DATE TIME	SAMPLER LAB		TEMP	FIELD LABORATORY PH	FIELD LABORATORY EC	MINERAL CONSTITUENTS IN MILLIEQUIVALENTS PER LITER CA	MG	NA	K	MILLIGRAMS PER LITER PERCENT REACTANCE VALUE CACO3	SO4	CL	NO3	B	F	MILLIGRAMS PER LITER TDS SUM	TH NCH	SAR ASAR	REM
		T			CENTRAL COAST HA														
		T-06			BOLSA NUEVA HU														
		13S/03E-04L01 M																	
09/16/85	5115					14	7.0	39	1.4	72	.0	40	3.5	--	--		66	2.1	
	5115			7.4	285	.70	.58	1.70	.04	1.44	.00	1.13	.06		--	169	0	2.5	
						23	19	56	1	46	0	43	2						C
		T-07			CARMEL RIVER HU														
		16S/01E-17J04 M																	
01/03/85	5115					--	--	--	--	--	--	55	1.8	--	--				
	5115				950							1.55	.03		--				S
		16S/01E-17R02 M																	
01/03/85	5115					--	--	--	--	--	--	79	4.4	--	--				
	5115				945							2.23	.07		--				C
		16S/01E-18F02 M																	
09/05/85	5115					85	19	111	2.8	254	56	145	12.0	--	--		390	2.8	
	5115			7.1	970	4.24	1.56	4.83	.07	5.07	1.17	4.09	.19		--	583	97	6.4	
						40	15	45	1	48	11	39	2						C
		16S/01E-18P03 M																	
09/05/85	5115					90	26	63	5.0	194	168	64	3.1	--	--		332	1.5	
	5115			6.8	815	4.49	2.14	2.74	.13	3.88	3.33	1.80	.05		--	527	134	3.4	
						47	23	29	1	43	37	20	1						C
		16S/01E-22H01 M																	
09/05/85	5115					102	35	110	6.0	250	200	124	1.8	--	--		410	2.4	
	5115			6.9	1130	5.09	2.88	4.79	.15	5.00	4.16	3.50	.03		--	729	149	5.7	
						39	22	37	1	39	33	28	0						C
		16S/01E-23F04 M																	
01/03/85	5115					--	--	--	--	--	--	112	2.7	--	--				
	5115				1195							3.16	.04		--				C
		16S/01E-23F01 M																	
01/03/85	5115					--	--	--	--	--	--	236	3.5	--	--				
	5115				1520							6.63	.06		--				C
		16S/01E-23J02 M																	
01/03/85	5115					--	--	--	--	--	--	57	1.3	--	--				
	5115				775							1.61	.02		--				S
		16S/01E-23L02 M																	
10/05/84	5115					51	14	26	5.0	112	92	39	1.3	--	--		190	0.8	
	5115			6.8	535	2.54	1.15	1.13	.13	2.74	1.87	1.10	.02		--	294	73	1.5	
						51	23	23	3	43	36	21	0						C
		16S/01E-24M03 M																	
01/03/85	5115					--	--	--	--	--	--	35	.9	--	--				
	5115				570							.99	.01		--				C
		16S/01E-24N05 M																	
01/03/85	5115					--	--	--	--	--	--	130	3.5	--	--				
	5115				1265							3.67	.06		--				C
		16S/02E-32A01 M																	
09/06/85	5115					47	12	37	3.8	122	68	34	2.2	--	--		144	1.3	
	5115			7.4	450	2.35	.99	1.61	.10	2.44	1.42	.96	.04		--	277	69	2.2	
						47	20	32	2	50	29	20	1						C
		16S/02E-33D01 M																	
01/03/85	5115					--	--	--	--	--	--	63	4.4	--	--				
	5115				770							1.78	.07		--				C
		17S/02E-10A02 M																	
01/03/85	5115					--	--	--	--	--	--	44	2.2	--	--				
	5115				600							1.24	.04		--				C
		17S/02E-10B01 M																	
01/03/85	5115					--	--	--	--	--	--	77	5.8	--	--				
	5115				905							2.17	.09		--				S
		18S/04E-06A01 M																	
10/04/84	5115					107	22	63	5.0	258	130	70	5.4	--	--		354	1.5	
	5115			7.1	850	5.34	1.81	2.74	.13	5.15	2.71	1.97	.09		--	557	100	3.5	
						53	18	27	1	52	27	20	1						C
		T-09			SALINAS HU														
		T-09.A			LOWER SALINAS VALLEY HA														
		13S/02E-19C03 M																	
09/27/85	5115					12	4.0	238	8.0	186	35	258	1.3	--	--		40	14.6	
	5115			8.3	1230	.60	.33	10.35	.20	3.72	.73	7.28	.02		--	660	0	20.4	
						5	3	90	2	32	6	62	0						C
		13S/02E-20J01 M																	
07/23/85	5115					64	24	80	4.4	186	20	135	--		--	--	300	2.0	
	5115			7.4	805	3.19	1.97	3.48	.11	3.72	.40	3.81			--	446	72	4.4	
						36	23	40	1										C

TABLE E-1 (CONTINUED)

MINERAL ANALYSES OF GROUND WATER

DATE TIME	SAMPLER LAB	TEMP	FIELD LABORATORY PH	FIELD LABORATORY EC	MINERAL CONSTITUENTS IN MILLIGRAMS PER LITER / MILLIEQUIVALENTS PER LITER / PERCENT REACTANCE VALUE CA	MG	NA	K	CACO3	SO4	CL	NO3	B TURB	F SIO2	TDS SUM	MILLIGRAMS PER LITER TH NCH	SAR ASAR	REM
	T		CENTRAL COAST HA															
	T-09		SALINAS HU															
	T-09.4		LOWER SALINAS VALLEY HA															
	13S/02E-29C02 M																	
07/23/85	5115				192	31	193	4.6	158	78	330	1.3	--	--		630	3.3	
	5115		7.5	1495	9.58	2.55	8.40	.12	3.16	1.62	9.31	.02		--	925	449	7.9	
					46	12	41	1	22	11	66	0						C
	13S/02E-29M02 M																	
08/30/85	5115				320	99	264	8.1	172	65	950	2.7	--	--		1180	3.3	
	5115		7.3	3250	15.97	8.14	11.48	.21	3.44	1.35	26.79	.04		--	1812	1034	8.7	
					45	23	32	1	11	4	85	0						S
	13S/02E-30H01 M																	
08/30/85	5115				520	197	480	8.7	138	120	1925	1.3	--	--		2100	4.6	
	5115		7.3	5860	25.95	16.20	20.88	.22	2.76	2.50	54.29	.02		--	3335	1971	12.1	
					41	26	33	0	5	4	91	0						S
	13S/02E-32H01 M																	
08/30/85	5115				16	3.0	175	4.3	164	20	180	--	--	--		60	9.8	
	5115		8.1	905	.80	.25	7.61	.11	3.28	.60	5.08			--	506	0	14.1	
					9	3	87	1										C
	13S/02E-32N01 M																	
08/29/85	5115				47	14	67	3.9	184	17	69	2.7	--	--		168	2.2	
	5115		7.4	585	2.35	1.15	2.91	.10	3.68	.35	1.95	.04		--	331	0	4.4	
					36	18	45	2	61	6	32	1						C
	13S/02E-33R01 M																	
08/05/85	5115				124	43	99	5.2	184	84	245	24.4	--	--		490	1.9	
	5115		7.1	1275	6.19	3.54	4.31	.13	3.68	1.75	6.91	.39		--	735	303	4.6	
					44	25	30	1	29	14	54	3						C
	14S/02E-03K02 M																	
07/23/85	5115				42	12	72	3.8	184	18	61	2.7	--	--		148	2.6	
	5115		7.4	565	2.10	.99	3.13	.10	3.68	.37	1.72	.04		--	322	0	4.9	
					33	16	50	2	63	6	30	1						S
	14S/02E-06L01 M																	
08/28/85	5115				17	4.0	167	5.3	158	37	163	1.8	--	--		66	8.9	
	5115		8.2	870	.85	.33	7.26	.14	3.16	.77	4.60	.03		--	490	0	13.1	
					10	4	85	2	37	9	54	0						
	14S/02E-06R02 M																	
08/05/85	5115				42	13	74	4.1	174	28	63	2.7	--	--		152	2.6	
	5115		7.6	560	2.10	1.07	3.22	.10	3.48	.58	1.78	.04		--	331	0	4.9	
					32	16	50	2	59	10	30	1						S
	14S/02E-07K01 M																	
08/28/85	5115				33	12	77	4.0	164	31	59	3.1	--	--		132	2.9	
	5115		7.4	555	1.65	.99	3.35	.10	3.28	.65	1.66	.05		--	317	0	5.3	
					27	16	55	2	58	12	29	1						C
	14S/02E-08C03 M																	
08/29/85	5115				36	11	60	3.9	162	26	45	2.7	--	--		136	2.2	
	5115		7.4	490	1.80	.90	2.61	.10	3.24	.54	1.27	.04		--	282	0	4.1	
					33	17	48	2	64	11	25	1						S
	14S/02E-10C01 M																	
08/05/85	5115				27	13	70	3.7	164	26	54	--	--	--		116	2.8	
	5115		7.4	530	1.35	1.07	3.05	.09	3.28	.54	1.52			--	293	0	5.0	
					24	19	55	2										S
	14S/02E-11D01 M																	
08/01/85	5115				184	65	132	5.4	266	130	380	66.5	--	--		720	2.1	
	5115		6.9	1860	9.18	5.35	5.74	.14	5.31	2.71	10.72	1.07		--	1122	661	2.7	
					45	26	28	1	27	14	54	5						C
	14S/02E-22N01 M																	
08/30/85	5115				66	19	53	4.2	154	94	71	5.3	--	--		244	1.5	
	5115		7.5	700	3.29	1.56	2.31	.11	3.08	1.96	2.00	.09		--	405	80	3.0	
					45	21	32	2	43	27	28	1						
	14S/02E-22Q01 M																	
07/22/85	5115				62	17	61	4.3	170	98	49	--	--	--		232	1.7	
	5115		7.3	640	3.09	1.40	2.65	.11	3.40	2.04	1.38			--	394	55	3.6	
					43	19	37	2										S
	14S/02E-24E01 M																	
07/22/85	5115				83	30	91	5.7	256	59	132	10.2	--	--		320	2.2	
	5115		7.4	975	4.14	2.47	3.96	.15	5.11	1.23	3.72	.16		--	564	75	5.2	
					39	23	37	1	50	12	36	2						S
	14S/02E-36E01 M																	
07/22/85	5115				200	66	181	8.4	368	560	168	--	--	--		780	2.8	
	5115		7.2	1955	9.98	5.43	7.87	.21	7.35	11.66	5.30			--	1625	603	7.9	
					42	23	34	1										S
	14S/02E-36G01 M																	
07/22/85	5115				51	10	36	4.1	256	70	15	--	--	--		164	1.2	
	5115		7.4	425	2.54	.82	1.57	.10	5.11	1.64	.42			--	349	0	2.6	
					50	16	31	2										C
	14S/03E-20C01 M																	
07/24/85	5701	70 F			38	13	40	2.0	150	17	51	5.0	--	.4	301	150	1.4	
1415	5701	21 C	7.2	490	1.90	1.07	1.74	.05	3.00	.35	1.44	.08		45.0	301	0	2.6	
					40	22	37	1	62	7	30	2						
	14S/03E-20D01 M																	
08/06/85	5115				42	11	66	3.5	160	26	55	2.7	--	--		144	2.4	
	5115		7.3	525	2.10	.90	2.87	.09	3.20	.54	1.55	.04		--	302	0	4.4	
					35	15	48	2	60	10	29	1						S

TABLE E-1 (CONTINUED)

MINERAL ANALYSES OF GROUND WATER

DATE TIME	SAMPLER LAB	TEMP	FIELD LABORATORY PH	EC	MINERAL CONSTITUENTS IN MILLIGRAMS PER LITER / MILLIEQUIVALENTS PER LITER / PERCENT REACTANCE VALUE CA	MG	NA	K	CACO3	SO4	CL	NO3	B TURB	F SIO2	TDS SUM	TH NCH	SAR ASAR	REM
	T		CENTRAL COAST HA															
	T-09		SALINAS HU															
	T-09.A		LOWER SALINAS VALLEY HA															
	14S/03E-20M02 M																	
07/25/85	5701				42	16	41	2.1	164	20	61	4.0	--	.1	324	172	1.4	
1502	5701		7.2	515	2.10	1.32	1.78	.05	3.28	.42	1.72	.06		39.0	323	7	2.6	
					40	25	34	1	60	8	31	1						S
	14S/03E-25L02 M																	
08/20/85	5115				53	20	78	2.9	166	10	110	11.1	--	--		216	2.3	
	5115		7.1	710	2.64	1.64	3.39	.07	3.32	.21	3.10	.18		--	385	48	4.6	
					34	21	44	1	69	3	46	3						S
	14S/03E-28F02 M																	
08/01/85	5115				61	16	51	3.8	148	42	72	7.5	--	--		220	1.5	
	5115		7.3	595	3.04	1.32	2.22	.10	2.96	.87	2.03	.12		--	342	70	3.0	
					46	20	33	1	49	15	34	2						S
	14S/03E-29C01 M																	
07/23/85	5701				40	19	47	2.2	140	27	60	6.0	--	.4	340	180	1.5	
1400	5701		7.4	555	2.00	1.56	2.04	.06	3.20	.56	1.69	.10		43.0	340	18	3.0	
					35	28	36	1	58	10	30	2						
	14S/03E-31L01 M																	
07/24/85	5701	70	F		52	15	42	3.3	136	103	29	2.0	--	.2	366	190	1.3	
1429	5701	21	C	7.5	2.59	1.23	1.83	.08	2.72	2.14	.82	.03		39.0	367	55	2.5	
					45	21	32	1	48	37	14	1						
	14S/03E-33G01 M																	
06/20/85	5701	70	F		96	45	75	2.9	229	154	131	33.0	--	.3	712	426	1.6	
1320	5701	21	C	7.0	1150	4.79	3.70	3.26	.07	4.58	3.21	3.69	.53		39.0	713	196	3.8	
					41	31	28	1	38	27	31	4						
	14S/03E-33Q01 M																	
06/20/85	5701	68	F		98	62	86	3.6	275	22	122	30.0	--	.3	837	498	1.7	
1600	5701	20	C	7.3	1330	4.89	5.10	3.74	.09	5.49	.47	3.44	.48		43.0	632	225	4.3	T
					35	37	27	1	56	5	35	5						S
	15S/02E-12E02 M																	
07/22/85	5115				132	43	119	5.6	346	240	93	6.2	--	--		510	2.3	
	5115		7.3	1250	6.59	3.54	5.18	.14	6.91	5.00	2.62	.10		--	846	161	6.0	C
					43	23	34	1	47	34	18	1						S
	15S/02E-25C01 M																	
07/23/85	5701				46	15	77	4.5	138	51	110	12.0	--	.3	451	174	2.5	
1446	5701		6.9	760	2.30	1.23	3.35	.12	2.76	1.06	3.10	.19		56.0	452	39	4.7	
					33	18	48	2	39	15	44	3						
	15S/03E-02G01 M																	
05/15/85	5701	70	F		32	12	41	1.6	123	18	55	11.0	--	--	329	128	1.6	E
	5701	21	C	7.6	420	1.60	.99	1.78	.04	2.46	.37	1.55	.18		--	244	7	2.7	T
					36	22	40	1	54	8	34	4						
	15S/03E-03N02 M																	
10/10/84	5701	68	F		107	43	95	5.6	260	235	84	44.0	--	.3	809	446	2.0	
1525	5701	20	C	7.5	1229	5.34	3.54	4.13	.14	5.19	4.89	2.37	.71		39.0	808	195	4.8	
					41	27	31	1	39	37	18	5						
	15S/03E-04Q01 M																	
07/25/85	5701				60	27	56	3.2	160	165	39	2.0	--	.2	478	260	1.5	
1522	5701		7.6	705	2.99	2.22	2.44	.08	3.20	3.44	1.10	.03		30.0	478	101	3.1	
					39	29	32	1	41	44	14	0						
	15S/03E-05C02 M																	
08/20/85	5701	70	F		75	24	57	3.4	182	171	49	2.0	--	.1	528	288	1.5	
1320	5701	21	C	7.4	815	3.74	1.97	2.48	.09	3.64	3.56	1.38	.03		35.0	527	104	3.2	
					45	24	31	1	42	41	16	0						S
	15S/03E-06F02 M																	
08/21/85	5115				52	10	34	4.2	130	75	12	1.3	--	--		168	1.1	
	5115		7.6	430	2.59	.82	1.48	.11	2.60	1.56	.34	.02		--	266	41	2.1	
					52	16	30	2	58	35	8	0						S
	15S/03E-08C06 M																	
08/26/85	5115				50	11	26	3.5	128	70	13	--	--	--		180	0.9	
	5115		7.5	410	2.50	.90	1.22	.09	2.56	1.46	.37			--	253	42	1.7	
					53	19	26	2										S
	15S/03E-09H01 M																	
07/18/85	5115				100	59	142	5.4	362	335	75	7.5	--	--		470	2.9	
	5115		7.1	1370	4.99	4.85	6.18	.14	7.23	6.97	2.12	.12		--	941	131	7.5	
					31	30	38	1	44	42	13	1						
	15S/03E-09K01 M																	
07/18/85	5115				110	48	146	5.9	358	335	58	1.8	--	--		460	3.0	
	5115		7.4	1330	5.49	3.95	6.35	.15	7.15	6.97	1.64	.03		--	919	119	7.7	
					34	25	40	1	45	44	10	0						
	15S/03E-16R03 M																	
07/18/85	5115				52	13	29	4.2	142	77	18	--	--	--		184	0.9	
	5115		7.5	465	2.59	1.07	1.26	.11	2.84	1.60	.51			--	279	41	1.8	
					51	21	25	2										S
	15S/03E-16M01 M																	
08/26/85	5115				150	48	130	6.2	366	250	103	6.2	--	--		540	2.4	
	5115		7.1	1320	7.49	3.95	5.66	.16	7.31	5.21	2.90	.10		--	913	207	6.5	C
					43	23	33	1	47	34	19	1						S
	15S/03E-22G01 M																	
07/18/85	5115				112	45	93	7.1	310	260	54	24.4	--	--		450	1.9	
	5115		7.2	1135	5.59	3.70	4.05	.16	6.19	5.41	1.52	.39		--	781	155	4.9	
					41	27	30	1	46	40	11	3						

TABLE E-1 (CONTINUED)

MINERAL ANALYSES OF GROUND WATER

DATE TIME	SAMPLE LAB		TEMP	FIELD LABORATORY PH	FIELD LABORATORY EC	MINERAL CONSTITUENTS IN MILLIGRAMS PER LITER / MILLIEQUIVALENTS PER LITER / PERCENT REACTANCE VALUE CA	MG	NA	K	CACO3	SO4	CL	NO3	B TURB	F SIO2	TDS SUM	MILLIGRAMS PER LITER TH NCH	SAR ASAR	REM
	T	CENTRAL COAST HR																	
	T-09	SALINAS HU																	
	T-09.A	LOWER SALINAS VALLEY HA																	
	15S/03E-26A01 M																		
08/05/85	5115					83	23	38	4.8	216	130	31	--	--	--		300	1.0	
	5115			7.5	695	4.14	1.89	1.65	.12	4.32	2.71	.87			--	440	86	2.2	
						53	24	21	2										S
	15S/03E-26M02 M																		
08/05/85	5115					107	29	54	4.7	252	160	29	1.8	--	--		364	1.2	
	5115			7.3	800	5.34	2.38	2.35	.12	5.03	3.33	.82	.03		--	537	135	3.0	C
						52	23	23	1	55	36	9	0						S
	16S/03E-17F02 M																		
09/18/85	5115					67	15	59	1.3	268	6.0	43	16.2	--	--		228	1.7	
	5115			7.1	645	3.34	1.23	2.57	.03	5.35	.12	1.21	.29		--	370	0	3.8	
						47	17	36	0	77	2	17	4						S
	16S/04E-10K01 M																		
07/16/85	5115					50	19	41	3.5	150	112	29	--	--	--		188	1.3	
	5115			7.4	550	2.50	1.56	1.78	.09	3.00	2.33	.71			--	341	53	2.5	
						42	26	30	2										S
	16S/04E-13D01 M																		
07/16/85	5115					54	16	56	4.5	142	125	28	2.2	--	--		192	1.8	
	5115			7.4	575	2.69	1.32	2.44	.12	2.84	2.62	.79	.04		--	372	89	3.4	
						41	20	37	2	45	42	13	1						S
	16S/04E-25K01 M																		
08/26/85	5115					108	50	95	4.4	322	260	50	2.2	--	--		480	1.9	
	5115			7.4	1110	5.39	4.11	4.13	.11	6.43	5.41	1.41	.04		--	763	154	4.0	C
						39	30	30	1	48	41	11	0						S
	16S/05E-19R01 M																		
07/16/85	5115					124	79	178	5.0	320	410	145	101	--	--		630	3.1	
	5115			7.2	1775	6.19	6.50	7.74	.13	6.39	8.54	4.09	1.64		--	1235	315	8.2	
						30	32	38	1	31	41	20	8						
	T-09.B	CHUALAR HA																	
	14S/03E-03K01 M																		
07/19/85	5115					48	14	42	2.8	200	12	38	21.7	--	--		172	1.4	
	5115			7.2	540	2.40	1.15	1.83	.07	4.00	.25	1.07	.35		--	298	0	2.8	
						44	21	34	1	71	6	19	6						S
	15S/03E-12E02 M																		
08/21/85	5115					46	15	69	4.5	160	50	52	5.3	--	--		172	2.3	
	5115			7.3	580	2.30	1.23	3.00	.12	3.20	1.04	1.47	.09		--	338	17	4.4	
						35	18	45	2	55	18	25	2						S
	15S/04E-15P02 M																		
09/23/85	5115					61	20	55	3.1	114	32	72	101	--	--		224	1.6	
	5115			7.1	660	3.04	1.64	2.39	.08	2.28	.67	2.03	1.64		--	413	120	3.0	
						43	23	33	1	34	10	31	25						S
	15S/04E-17R01 M																		
08/08/85	5115					38	13	48	3.2	120	13	55	18.6	--	--		146	1.7	
	5115			6.9	465	1.90	1.07	2.09	.08	2.40	.27	1.55	.30		--	261	29	3.0	
						37	21	41	2	53	6	34	7						S
	15S/04E-17P02 M																		
08/29/85	5115					66	24	59	4.1	136	44	106	33.2	--	--		256	1.6	
	5115			6.9	735	3.29	1.97	2.57	.10	2.72	.92	2.99	.54		--	418	127	3.2	
						41	25	32	1	38	13	42	8						S
	15S/04E-21R01 M																		
08/08/85	5115					49	19	50	3.3	128	20	62	53.2	--	--		200	1.5	
	5115			6.9	565	2.45	1.56	2.18	.08	2.56	.42	1.75	.86		--	333	79	2.9	
						39	25	35	1	46	8	31	15						S
	15S/04E-28C01 M																		
08/08/85	5115					134	58	158	6.0	228	120	245	159	--	--		560	2.9	
	5115			7.0	1625	6.69	4.77	6.87	.15	4.56	2.50	6.91	2.57		--	1017	365	7.2	
						36	26	37	1	28	15	42	16						S
	16S/05E-07G01 M																		
08/20/85	5115					163	69	185	6.7	312	300	220	66.5	--	--		680	3.1	
	5115			7.4	1805	8.13	5.67	8.05	.17	6.23	6.25	6.20	1.07		--	1197	379	8.3	
						37	26	37	1	32	32	31	5						S
	T-09.C	SOLEDAD HA																	
	16S/05E-35C01 M																		
07/11/85	5115					54	27	93	4.8	140	38	155	17.7	--	--		324	2.7	
	5115			7.1	890	2.69	2.22	4.05	.12	2.80	.79	4.37	.29		--	473	106	5.3	
						30	24	45	1	34	10	53	4						S
	17S/05E-04K01 M																		
07/11/85	5115					116	63	148	4.9	306	360	76	88.6	--	--		530	2.8	
	5115			7.4	1465	5.79	5.18	6.44	.13	6.11	7.50	2.14	1.43		--	1040	243	7.2	
						33	30	37	1	36	44	12	8						
	17S/05E-09G01 M																		
07/11/85	5115					101	40	61	4.3	292	175	32	8.0	--	--		404	1.3	
	5115			7.5	915	5.04	3.29	2.65	.11	5.83	3.64	.90	.13		--	594	125	3.3	
						45	30	24	1	56	35	9	1						S
	17S/05E-12F01 M																		
08/21/85	5115					93	36	124	7.3	168	125	180	20.4	--	--		380	2.8	
	5115			7.4	1165	4.64	2.96	5.39	.19	3.36	2.60	5.08	.33		--	686	212	6.1	
						35	22	41	1	30	23	45	3						S

TABLE E-1 (CONTINUED)

MINERAL ANALYSES OF GROUND WATER

DATE TIME	SAMPLER LAB	TEMP	FIELD LABORATORY PH	FIELD LABORATORY EC	MINERAL CONSTITUENTS IN MILLIGRAMS PER LITER / MILLIEQUIVALENTS PER LITER / PERCENT REACTANCE VALUE: CA	MG	NA	K	CACO3	SO4	CL	NO3	MILLIGRAMS PER LITER: B TURB	F SIO2	TDS SUM	TH NCH	SAR ASAR	PER
	T	CENTRAL COAST HR																
	T-09	SALINAS HU																
	T-09.C	SOLEDAD HA																
	17S/05E-14R01 M																	
07/11/85	5115				75	46	81	3.9	232	235	60	38.1	--	--		360	1.9	
	5115		7.4	1060	3.74	3.78	3.52	.10	4.64	4.89	1.69	.61		--	678	144	4.4	
					34	34	32	1	39	41	14	5						S
	17S/05E-36F02 M																	
07/10/85	5115				115	40	69	5.2	238	240	52	93.0	--	--		450	1.4	
	5115			1130	5.74	3.29	3.00	.13	4.76	5.00	1.47	1.50		--	757	214	3.5	
					47	27	25	1	37	39	12	12						S
	17S/06E-16N01 M																	
07/11/85	5115				94	42	131	5.2	194	265	110	19.5	--	--		400	2.9	
	5115		7.4	1195	4.69	3.45	5.70	.13	3.88	5.52	3.10	.31		--	783	213	4.5	
					34	25	41	1	30	43	24	2						S
	17S/06E-18G01 M																	
07/11/85	5115				80	32	84	4.3	174	200	62	3.5	--	--		324	2.0	
	5115		7.4	880	3.99	2.63	3.65	.11	3.48	4.16	1.75	.06		--	570	157	4.4	
					38	25	35	1	37	44	19	1						S
	17S/06E-20D02 M																	
07/08/85	5115				112	69	146	4.5	266	340	132	40.8	--	--		560	2.7	
	5115			1475	5.59	5.67	6.35	.12	5.31	7.08	3.72	.66		--	1004	298	6.8	
					32	32	36	1	32	42	22	4						S
	17S/06E-27E03 M																	
07/10/85	5115				70	41	125	3.8	228	205	74	34.6	--	--		350	2.9	
	5115			1050	3.49	3.37	5.44	.10	4.56	4.27	2.09	.56		--	690	115	6.7	
					28	27	44	1	40	37	18	5						C
	18S/06E-02N01 M																	
07/10/85	5115				96	26	64	5.3	174	190	39	44.3	--	--		344	1.5	
	5115			830	4.79	2.14	2.78	.14	3.48	3.96	1.10	.71		--	540	173	3.3	
					49	22	28	1	38	43	12	8						C
	18S/06E-07A01 M																	
07/10/85	5115				102	31	67	4.4	196	90	117	43.4	--	--		400	1.5	
	5115			945	5.09	2.55	2.91	.11	3.92	1.87	3.30	.70		--	572	198	3.4	
					48	24	27	1	40	19	34	7						S
	18S/06E-14R01 M																	
07/10/85	5115				49	12	22	3.6	120	65	7.0	3.1	--	--		184	0.7	
	5115			370	2.45	.99	.96	.09	2.40	1.35	.20	.05		--	234	52	1.3	
					55	22	21	2	60	34	5	1						C
	18S/06E-21Q01 M																	
07/08/85	5115				118	30	48	5.0	134	100	135	43.4	--	--		408	1.0	
	5115			940	5.89	2.47	2.09	.13	2.68	2.08	3.81	.70		--	640	264	2.2	
					56	23	20	1	29	22	41	8						C
	18S/06E-25F01 M																	
07/08/85	5115				27	11	48	3.8	132	67	7.0	14.6	--	--		116	1.9	
	5115			440	1.35	.90	2.09	.10	2.44	1.39	.20	.24		--	254	0	3.3	
					30	20	47	2	56	31	4	5						
	18S/06E-28J01 M																	
07/08/85	5115				102	23	42	4.6	140	108	81	43.4	--	--		340	1.0	
	5115			790	5.09	1.89	1.83	.12	2.80	2.25	2.25	.70		--	488	209	2.1	
					57	21	20	1	35	28	28	9						C
	18S/07E-19R02 M																	
08/12/85	5115				316	126	206	6.9	300	660	230	46.5	--	--		1280	2.5	
	5115		7.5	2550	15.77	10.36	8.96	.18	5.99	16.66	6.49	1.67		--	1931	1008	7.2	C
					45	29	25	1	20	55	21	4						S
	18S/07E-29M01 M																	
07/08/85	5115				206	95	174	6.4	298	590	175	73.1	--	--		860	2.6	
	5115			2080	10.28	7.81	7.57	.16	5.95	12.29	4.94	1.18		--	1498	607	7.1	C
					40	30	29	1	24	50	20	5						C
	18S/07E-32R02 M																	
07/05/85	5115				170	70	157	5.3	302	355	155	55.4	--	--		660	2.7	
	5115			1660	8.48	5.76	6.83	.14	6.03	7.39	4.37	.89		--	1149	411	7.1	C
					40	27	32	1	32	40	23	5						S
	19S/06E-01H01 M																	
07/08/85	5115				98	24	64	5.4	200	150	39	44.3	--	--		334	1.5	
	5115			830	4.89	1.97	2.78	.14	4.00	3.12	1.10	.71		--	545	183	3.4	
					50	20	28	1	45	35	12	8						C
	T-09.D	UPPER SALINAS VALLEY HA																
	19S/07E-13D03 M																	
07/05/85	5115				156	96	284	5.4	352	600	125	177	--	--		760	4.5	
	5115			2180	7.78	7.90	12.35	.14	7.03	12.49	3.53	2.96		--	1455	439	12.3	C
					28	28	44	0	27	48	14	11						C
	19S/07E-20A01 M																	
07/05/85	5115				85	37	109	5.5	222	205	95	4.4	--	--		350	2.5	
	5115			1045	4.24	3.04	4.74	.14	4.44	4.27	2.68	.07		--	674	142	5.9	
					35	25	39	1	39	37	23	1						C
	19S/07E-23F01 M																	
07/05/85	5115				102	42	87	3.7	202	180	118	35.4	--	--		396	1.9	
	5115			1085	5.09	3.45	3.78	.09	4.04	3.75	3.33	.57		--	680	225	4.4	
					41	28	30	1	35	32	29	5						S
	20S/08E-06R01 M																	
07/03/85	5115				64	32	66	2.4	236	112	28	23.9	--	--		284	1.7	
	5115			715	3.19	2.63	2.87	.06	4.72	2.33	.79	.39		--	470	55	3.0	
					36	30	33	1	57	28	10	5						C

TABLE E-1 (CONTINUED)

MINERAL ANALYSES OF GROUND WATER

DATE TIME	SAMPLER LAB	TEMP	FIELD LABORATORY PH	FIELD LABORATORY EC	MINERAL CONSTITUENTS IN MILLIGRAMS PER LITER / MILLIEQUIVALENTS PER LITER / PERCENT REACTANCE VALUE CA	MG	NA	K	CACO3	SO4	CL	NO3	B TURB	F SIO2	TDS SUM	TH NCH	SAR ASAR	REM
	T		CENTRAL COAST HA															
	T-09		SALINAS HU															
	T-09.D		UPPER SALINAS VALLEY HA															
	20S/08E-08C02 M																	
06/26/85	5701				47	20	41	1.7	166	78	24	6.0	--	.2	352	198	1.3	
1000	5701		7.7	600	2.35	1.64	1.78	.04	3.32	1.62	.68	.10		36.0	353	34	2.5	
					40	28	31	1	58	28	12	2						
	20S/08E-08Q02 M																	
06/26/85	5701				82	38	63	1.9	257	184	34	26.0	--	.2	617	350	1.4	
0930	5701		7.5	1000	4.09	3.13	2.74	.05	5.13	3.83	.96	.42		34.0	617	105	3.5	
					41	31	27	0	50	37	9	4						S
	20S/08E-15H03 M																	
07/03/85	5115				60	20	42	2.3	160	82	21	6.6	--	--		206	1.3	
	5115			520	2.99	1.64	1.83	.06	3.20	1.71	.59	.11		--	330	72	2.5	
					46	25	28	1	57	30	11	2						S
	20S/08E-17K03 M																	
08/12/85	5115				80	30	74	2.6	210	146	54	9.7	--	--		312	1.8	
	5115		7.4	705	3.99	2.47	3.22	.07	4.20	3.04	1.52	.16		--	522	113	4.1	
					41	25	33	1	47	34	17	2						S
	20S/08E-25Q01 M																	
07/03/85	5115				140	60	175	3.9	258	510	125	75.3	--	--		620	3.1	
	5115			1630	6.99	5.67	7.61	.10	5.15	10.62	3.53	1.21		--	1253	376	7.8	C
					34	28	37	0	25	52	17	6						
	20S/08E-34G01 M																	
07/08/85	5115				62	22	39	2.7	92	50	101	30.1	--	--		256	1.1	
	5115			630	3.09	1.81	1.70	.07	1.84	1.04	2.85	.49		--	362	153	1.9	
					46	27	25	1	30	17	46	8						S
	20S/08E-36R01 M																	
08/14/85	5115				122	49	111	3.3	244	300	80	33.7	--	--		460	2.3	
	5115		7.1	1185	6.09	4.03	4.83	.08	4.88	6.25	2.26	.54		--	845	362	5.4	C
					41	27	32	1	35	45	15	5						S
	21S/08E-15J01 M																	
08/12/85	5115				116	95	465	33	526	850	130	137	--	--		750	7.7	
	5115		6.9	2720	5.79	7.81	21.10	.86	10.51	17.70	3.67	2.21		--	2142	155	22.2	C
					16	22	59	2	31	52	11	6						S
	21S/09E-15Q01 M																	
08/14/85	5115				73	29	50	2.7	152	165	40	8.9	--	--		290	1.3	
	5115		7.6	605	3.64	2.38	2.18	.07	3.04	3.46	1.13	.14		--	440	160	2.7	
					44	29	26	1	39	44	15	2						S
	21S/09E-22J01 M																	
08/13/85	5115				54	18	30	2.4	148	67	16	1.8	--	--		190	0.9	
	5115		7.5	445	2.69	1.48	1.31	.06	2.96	1.39	.45	.03		--	279	61	1.8	
					49	27	24	1	41	29	9	1						S
	21S/09E-24L01 M																	
08/14/85	5115				296	110	290	7.9	284	1150	180	93.2	--	--		1130	3.9	
	5115		7.2	2710	14.77	9.09	12.62	.20	5.67	23.94	5.08	.86		--	2266	845	10.5	C
					40	26	34	1	16	67	14	2						S
	22S/10E-34G01 M																	
07/03/85	5115				69	32	135	5.5	244	106	168	6.2	--	--		310	3.3	
	5115			1145	3.44	2.63	5.87	.14	4.88	2.21	4.74	.10		--	668	80	7.7	
					28	22	49	1	41	19	40	1						
	T-09.E		MONTEREY PENINSULA HA															
	14S/02E-17A01 M																	
08/09/85	5115				50	15	52	3.9	154	62	49	3.5	--	--		184	1.7	
	5115		7.2	565	2.50	1.23	2.26	.10	3.08	1.29	1.38	.06		--	328	33	3.2	
					41	20	37	2	53	22	24	1						S
	15S/02E-25C01 M																	
07/23/85	5701				46	15	77	4.5	138	51	110	12.0	--	.3	451	174	2.9	
1446	5701		6.9	760	2.30	1.23	3.35	.12	2.76	1.06	3.10	.19		56.0	482	30	4.7	
					33	18	48	2	39	15	44	3						
	16S/02E-03J01 M																	
09/19/85	5115				88	14	82	3.9	192	92	124	8.9	--	--		284	2.1	
	5115		7.1	845	4.39	1.15	3.57	.10	3.84	1.08	3.50	.14		--	488	85	4.6	
					48	12	39	1	45	13	41	2						S
	16S/02E-10Q01 M																	
09/19/85	5115				93	23	114	4.5	222	128	154	3.1	--	--		340	2.7	
	5115		7.2	1060	4.64	1.89	4.96	.12	4.44	2.66	4.34	.09		--	653	105	6.2	
					40	16	43	1	39	23	38	0						
	16S/02E-15P01 M																	
09/18/85	5115				170	39	220	6.3	356	350	255	5.8	--	--		620	3.8	
	5115		6.8	1805	8.03	3.21	9.57	.16	7.31	7.29	7.19	.09		--	1275	242	10.3	
					41	15	44	1	33	33	33	0						
	T-09.G		GABILAN RANGE HA															
	20S/09E-28P01 M																	
08/12/85	5115				148	56	318	14	140	390	490	28.8	--	--		820	6.6	
	5115		7.6	2350	7.39	4.61	13.83	.36	2.80	8.12	13.82	.46		--	1520	440	12.6	
					28	18	53	1	11	32	55	2						S
	23S/10E-02J01 M																	
08/12/85	5115				54	20	42	2.8	174	76	25	1.3	--	--		224	1.2	
	5115		7.4	545	2.69	1.64	1.83	.07	3.48	1.58	.71	.02		--	334	63	2.5	
					43	26	29	1	60	27	12	0						S

TABLE E-1 (CONTINUED)

MINERAL ANALYSES OF GROUND WATER

DATE TIME	SAMPLER LAB	TEMP	FIELD LABORATORY PH	EC	MINERAL CONSTITUENTS IN MILLIGRAMS PER LITER / MILLIEQUIVALENTS PER LITER / PERCENT REACTANCE VALUE: CA	MG	NA	K	CACO3	SO4	CL	NO3	B TURB	F SIO2	TDS SUM	TH NCH	SAR ASAR	REM
	T	CENTRAL COAST HA																
	T-09	SALINAS HU																
	T-09.H	PASO ROBLES HA																
	24S/11E-25N01 M																	
07/02/85	5117	72.5F			58	24	58	2.4	172	78	56	44.0	.2	.6	495	243	1.6	
0945	0000	22.5C	7.8	729	2.89	1.97	2.52	.06	3.44	1.62	1.58	.71		--	424	71	3.4	
					39	26	34	1	47	22	21	10						
	24S/11E-34A01 M																	
07/02/85	5117	73 F			14	6.0	320	2.8	346	214	135	.0	2.1	.5	959	60	18.0	
0905	0000	23 C	8.3	1490	.70	.49	13.92	.07	6.91	4.46	3.81	.00		--	901	0	30.7	
					5	3	92	0	46	29	25	0						
	24S/11E-35D01 M																	
07/02/85	5117	76.1F			22	12	275	3.8	296	203	132	9.0	2.7	.5	859	104	11.7	
0845	0000	24.5C	8.3	1480	1.10	.99	11.96	.10	5.91	4.23	3.72	.15		--	837	0	22.2	
					8	7	85	1	42	30	27	1						
	24S/11E-35E01 M																	
07/02/85	5117	76.1F			26	11	300	3.2	316	217	147	4.2	2.1	.5	954	110	12.4	
0900	0000	24.5C	8.2	1490	1.30	.90	13.05	.08	6.31	4.52	4.15	.07		--	900	0	24.1	
					8	6	85	1	42	30	28	0						
	25S/11E-09M01 M																	
07/02/85	5117	68.9F			46	17	14	1.0	153	44	12	1.5	.1	.3	263	195	0.4	
0930	0000	20.5C	8.2	437	2.30	1.40	.61	.03	3.06	.92	.34	.02		--	227	32	0.9	
					53	32	14	1	71	21	8	0						
	26S/13E-10D02 M																	
04/25/85	5117	0 F			64	51	90	2.8	276	141	78	38.4	.6	.3	692	369	2.0	
1500	5050	18 C	8.2	1080	3.19	4.19	3.92	.07	5.51	2.94	2.20	.62		--	631	94	5.0	
					28	37	34	1	49	26	20	6						
	27S/13E-09K01 M																	
04/24/85	5117	86 F			9.0	2.0	202	3.3	297	91	50	2.9	.8	1.5	535	30	16.0	E
1230	5050	30 C	8.4	823	.45	.16	8.79	.08	5.93	1.89	1.41	.05		--	539	0	22.3	
					5	2	93	1	64	20	15	1						
	27S/13E-36R01 M																	
04/24/85	5117	83 F			72	11	45	2.9	196	104	31	9.3	.0	.4	468	224	1.3	F
1430	5050	28 C	8.0	645	3.59	.90	1.96	.07	3.12	2.17	.87	.15		--	369	69	2.6	T
					55	14	30	1	49	34	14	2						S
	27S/14E-11R01 M																	
04/24/85	5117	86 F			47	5.0	34	2.8	128	25	2	16.0	.1	.4	311	138	1.3	F
1330	5050	30 C	8.2	426	2.35	.41	1.48	.07	2.56	.52	.79	.29		--	237	10	2.2	T
					55	10	34	2	62	13	19	7						
	27S/14E-25J01 M																	
04/23/85	5117	70 F			28	4.0	39	2.2	120	21	15	11.1	.1	.3	209	86	1.8	
1530	5050	21 C	8.1	331	1.40	.33	1.70	.06	2.40	.44	.42	.18		--	192	0	2.8	
					40	9	49	2	70	13	12	5						
	27S/14E-29G01 M																	
04/24/85	5117	86 F			68	17	30	2.5	176	12	58	38.0	.1	.7	423	240	0.9	
1300	5050	30 C	8.1	610	3.39	1.40	1.31	.06	3.52	.25	1.64	.61		--	331	64	1.8	T
					55	23	21	1	58	4	27	10						
	27S/15E-35F01 M																	
04/23/85	5117	75 F			30	6.0	26	1.6	92	33	16	7.3	.1	.2	181	100	1.1	
1400	5050	24 C	8.1	309	1.50	.49	1.13	.04	1.84	.69	.45	.12		--	175	9	1.7	
					47	16	36	1	59	22	15	4						
	27S/16E-07P01 M																	
04/23/85	5117	75 F			120	38	531	4.8	210	613	530	18.6	2.3	1.2	2000	456	10.8	
1000	5050	24 C	7.9	3050	5.99	3.13	23.10	.12	4.20	12.76	14.95	.30		--	1984	246	24.7	
					19	10	71	0	13	40	46	1						
	28S/13E-13D01 M																	
04/24/85	5117	82 F			55	15	50	2.6	172	46	54	7.2	.1	.5	404	198	1.5	
1115	5050	28 C	8.3	617	2.74	1.23	2.18	.07	3.44	.96	1.82	.12		--	333	27	3.1	
					44	20	35	1	57	16	25	2						
	28S/15E-24F02 M																	
04/23/85	5117	75 F			34	2.0	18	1.0	88	7.0	19	14.0	.1	.3	182	93	0.8	
1300	5050	24 C	8.0	294	1.70	.16	.78	.03	1.76	.15	.54	.23		--	148	5	1.2	
					64	6	29	1	66	6	20	9						
	29S/14E-05H01 M																	
04/24/85	5117	80 F			34	12	31	1.3	144	12	31	.0	.0	.4	268	134	1.2	
1100	5050	27 C	8.2	394	1.70	.99	1.35	.03	2.88	.25	.87	.00		--	208	0	2.1	T
					42	24	33	1	72	6	22	0						
	T-09.H1	ATASCADERO HSA																
	24S/11E-24Q01 M																	
08/13/85	5115				61	27	68	3.2	172	80	56	53.2	--	--		244	1.9	
	5115		7.4	710	3.04	2.22	2.96	.08	3.44	1.67	1.58	.86		--	452	91	3.9	
					37	27	36	1	46	22	21	11						S
	24S/11E-35C01 M																	
08/13/85	5115				26	13	286	3.1	340	265	160	3.1	--	--		140	10.5	
	5115		7.8	1540	1.30	1.07	12.44	.08	6.79	5.52	4.51	.05		--	960	0	21.8	
					6	7	84	1	40	33	27	0						S

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TABLE E-2
MINOR ELEMENT ANALYSES OF GROUND WATER

Lab and Sampler Agency Code

2400 - Santa Clara Valley Water District
5701 - California Water Service Company

Abbreviations

TIME	-	Pacific Standard Time on a 24-hour clock
EC	-	Electrical conductance in microsiemens at 25 o C
TEMP	-	Water temperature at time of sampling in degrees Fahrenheit (F) or Celsius (C)
pH	-	Measure of acidity or alkalinity of water
CHROM (ALL)	-	All chromium
CHROM (HEX)	-	Hexavalent chromium
D	-	Dissolved
T	-	Total
REM	-	Remarks; code letter are:

P - Laboratory pH was substituted for field pH, which was not available.
E - Total dissolved solids (TDS) value is not within the range of 0.35 to 0.70 of the electrical conductivity.

TABLE E-2

MINOR ELEMENT ANALYSES OF GROUNDWATER

CONSTITUENTS IN MILLIGRAMS PER LITER

DATE / TIME	SAMP / LAB	DEPTH	DISCH / EC	TEMP / PH	ARSENIC	BARIUM / CADMIUM	CHROM (ALL) / CHROM (HEX)	COPPER / IRON	LEAD / MANGANESE	MERCURY / SELENIUM	SILVER / ZINC	GRP
	F			SAN FRANCISCO BAY HR								
	E-04			SOUTH BAY HU								
	E-04.D			SAN MATEO BAYSIDE HA								
	03S/05W-20F03 M											
06/26/85	5701					--	--	0.0 T	--	--	--	P
0930	5701		1230	7.4	--	--	--	0.0 T	0.3* T	--	0.0 T	E
	03S/05W-20K01 M											
06/26/85	5701					--	--	0.0 T	--	--	--	P
0830	5701		950	7.6	--	--	--	0.0 T	0.0 T	--	0.0 T	E
	03S/05W-20K02 M											
06/26/85	5701					--	--	0.0 T	--	--	--	P
0930	5701		915	7.8	--	--	--	0.0 T	0.0 T	--	0.0 T	E
	E-05			SANTA CLARA HU								
	E-05.C			COYOTE CREEK HA								
	06S/01E-16K03 M											
08/26/85	5701			22 C		--	--	0.0 T	--	--	--	P
1000	5701		980	7.9	--	--	--	0.0 T	0.0 T	--	0.0 T	E
	06S/01E-27L03 M											
11/26/84	2400			17 C		0.11 D	0.002 D	0.0 D	0.0 D	--	0.00 D	
1330	2400		700		0.0 D	0.00 D	--	--	0.02 D	0.0 D	0.0 D	
	06S/01E-32G01 M											
07/09/85	5701			22 C		--	--	0.0 T	--	--	--	P
1030	5701		660	7.9	--	--	--	0.0 T	0.0 T	--	0.0 T	E
	06S/01E-32M05 M											
11/26/84	2400					0.21 D	0.00 D	0.0 D	0.01 D	--	0.00 D	
1130	2400		1150		0.0 D	0.00 D	--	--	0.33 D	0.0 D	0.0 D	
	07S/01E-03A01 M											
08/26/85	5701			22 C		--	--	0.0 T	--	--	--	P
0930	5701		1010	7.7	--	--	--	0.0 T	0.12 T	--	0.0 T	E
	07S/01E-07R02 M											
07/01/85	5701			21 C		--	--	0.0 T	--	--	--	P
1030	5701		570	7.7	--	--	--	0.0 T	0.0 T	--	0.0 T	E
	07S/01E-09D02 M											
08/28/85	5701					--	--	0.0 T	--	--	--	P
0915	5701		800	7.9	--	--	--	0.74 T	0.0 T	--	0.0 T	E
	07S/01E-09D03 M											
08/28/85	5701					--	--	0.0 T	--	--	--	P
0915	5701		865	7.8	--	--	--	0.0 T	0.0 T	--	0.0 T	E
	07S/01E-09D04 M											
07/01/85	5701			21 C		--	--	0.0 T	--	--	--	P
1115	5701		795	7.6	--	--	--	0.0 T	0.0 T	--	0.0 T	E
	07S/01E-12H02 M											
11/27/84	2400			18.7C		0.09 T	0.001 T	0.00 T	0.01 T	--	0.000 T	
1000	2400		1120	8.2	0.00 T	0.08 T	--	2.7 T	0.22 T	0.00 T	0.00 T	
	07S/01E-15N03 M											
08/19/85	5701			22 C		--	--	0.0 T	--	--	--	P
1100	5701		815	7.7	--	--	--	0.0 T	0.0 T	--	0.0 T	E
	07S/01E-16C02 M											
08/28/85	5701					--	--	0.0 T	--	--	--	P
0900	5701		880	7.9	--	--	--	0.26 T	0.0 T	--	0.0 T	E
	07S/01E-16C04 M											
07/01/85	5701			20 C		--	--	0.0 T	--	--	--	P
1000	5701		680	7.9	--	--	--	0.0 T	0.0 T	--	0.0 T	E
	07S/01E-16C06 M											
07/09/85	5701			20 C		--	--	0.0 T	--	--	--	P
0900	5701		825	7.6	--	--	--	0.0 T	0.0 T	--	0.0 T	E
	07S/01E-16C07 M											
07/09/85	5701			22 C		--	--	0.0 T	--	--	--	P
0900	5701		705	7.6	--	--	--	0.0 T	0.0 T	--	0.0 T	E
	07S/01E-20D03 M											
10/17/84	5701			19 C		--	--	0.0 T	--	--	--	P
1130	5701		805	7.3	--	--	--	0.0 T	0.0 T	--	0.0 T	E
	07S/01E-20D04 M											
10/17/84	5701			19 C		--	--	0.0 T	--	--	--	P
1130	5701		795	7.3	--	--	--	0.0 T	0.0 T	--	0.0 T	E

TABLE E-2 (CONTINUED)

MINOR ELEMENT ANALYSES OF GROUND WATER

CONSTITUENTS IN MILLIGRAMS PER LITER

DATE TIME	SAMP LAB	DEPTH	DISCH EC	TEMP PH	ARSENIC	BARIUM CADMIUM	CHROM (ALL) CHROM (HEX)	COPPER IRON	LEAD MANGANESE	MERCURY SELENIUM	SILVER ZINC	REM
	E			SAN FRANCISCO BAY HB								
	E-05			SANTA CLARA HU								
	E-05.C			COYOTE CREEK HA								
	07S/01E-21F02 M											
07/01/85	5701		19 C			--	--	0.0 T	--	--	--	P
0930	5701	780	7.8	--		--	--	0.0 T	0.0 T	--	0.0 T	E
	07S/01E-22H04 M											
08/26/85	5701		18 C			--	--	0.0 T	--	--	--	P
0915	5701	850	7.9	--		--	--	0.0 T	0.0 T	--	0.0 T	E
	07S/01E-32G01 M											
08/19/85	5701		18 C			--	--	0.0 T	--	--	--	P
1045	5701	565	7.5	--		--	--	0.0 T	0.0 T	--	0.0 T	E
	07S/01E-32J03 M											
08/19/85	5701		16 C			--	--	0.0 T	--	--	--	P
1030	5701	540	7.2	--		--	--	0.0 T	0.0 T	--	0.0 T	F
	07S/02E-07M02 M											
12/04/84	2400		15.2C			0.11 T	0.000 T	0.03 T	0.02 T	--	0.000 T	
1100	2400	825		0.00 T		0.000 T	--	0.93 T	0.41 T	0.14 T	0.00 T	
	07S/02E-20R01 M											
11/27/84	2400		18.1C			0.14 T	0.001 T	0.00 T	0.00 T	--	0.000 T	
0930	2400	960	7.2	0.00 T		0.000 T	--	--	--	0.00 T	0.00 T	
	07S/02E-20C04 M											
12/04/84	2400					0.11 T	0.000 T	0.01 T	0.00 T	--	0.000 T	
0930	2400			0.00 T		0.000 T	--	--	--	0.00 T	0.00 T	
	08S/01E-04M01 M											
07/11/85	5701		18 C			--	--	0.0 T	--	--	--	P
1100	5701	485	7.4	--		--	--	0.0 T	0.0 T	--	0.0 T	E
	08S/01E-04M02 M											
07/11/85	5701		18 C			--	--	0.0 T	--	--	--	P
1100	5701	490	7.3	--		--	--	0.06 T	0.0 T	--	0.0 T	E
	08S/01E-05M03 M											
08/19/85	5701		18 C			--	--	0.0 T	--	--	--	P
0945	5701	505	7.0	--		--	--	0.0 T	0.0 T	--	0.0 T	E
	08S/01E-05M04 M											
08/21/85	5701		18 C			--	--	0.0 T	--	--	--	P
0930	5701	500	7.2	--		--	--	0.0 T	0.0 T	--	0.0 T	E
	08S/01E-10G02 M											
07/11/85	5701		18 C			--	--	0.0 T	--	--	--	P
1130	5701	610	7.5	--		--	--	0.0 T	0.0 T	--	0.0 T	E
	08S/01E-10G03 M											
07/11/85	5701		18 C			--	--	0.0 T	--	--	--	P
1130	5701	635	7.4	--		--	--	0.0 T	0.0 T	--	0.0 T	F
	08S/01E-10K03 M											
08/21/85	5701		17 C			--	--	0.0 T	--	--	--	P
0900	5701	610	7.4	--		--	--	0.0 T	0.0 T	--	0.0 T	E
	08S/01E-21C02 M											
12/04/84	2400		17.5C			0.26 T	0.000 T	0.00 T	0.03 T	--	0.000 T	
1330	2400	700		0.00 T		0.000 T	--	0.13 T	0.00 T	0.00 T	0.00 T	
	09S/03E-07C04 M											
04/07/85	2400		18 C			0.17 D	0.00 D	0.0 D	0.0 D	--	0.00 D	
0900	2400	610	7.1	0.0 D		0.00 D	--	0.52 D	0.0 D	0.0 D	0.1 D	
	06S/01W-22J02 M											
11/26/84	2400		24.5C			0.37 D	0.00 D	0.03 D	0.02 D	--	0.00 D	
1000	2400	480		0.0 D		0.00 D	--	0.01 D	0.02 D	0.0 D	0.0 D	
	06S/01W-23C03 M											
11/26/84	2400					0.24 D	0.00 D	0.0 D	0.0 D	--	0.00 D	
1300	2400	675		0.0 D		0.005 D	--	0.02 D	0.0 D	0.0 D	0.0 D	
	06S/01W-32D02 M											
11/19/84	2400		19 C			0.34 D	0.00 D	0.0 D	0.0 D	--	0.00 D	
1045	2400	925		0.0 D		0.00 D	--	0.0 D	0.0 D	0.0 D	0.0 D	
	06S/02W-19M01 M											
07/26/85	5701		21 C			--	--	0.0 T	--	--	--	P
1200	5701	655	7.6	--		--	--	0.49 T	0.0 T	--	0.0 T	E
	06S/02W-19M10 M											
07/26/85	5701		21 C			--	--	0.0 T	--	--	--	P
1144	5701	615	7.7	--		--	--	0.0 T	0.0 T	--	0.0 T	E

TABLE E-2 (CONTINUED)

MINOR ELEMENT ANALYSES OF GROUND WATER

CONSTITUENTS IN MILLIGRAMS PER LITER

DATE TIME	SAMP LAB	DEPTH	DISCH EC	TEMP PH	ARSENIC	BARIUM CADMIUM	CHROM (ALL) CHROM (HEX)	COPPER IRON	LEAD MANGANESE	MERCURY SELENIUM	SILVER ZINC	REM
		E		SAN FRANCISCO BAY HA								
		E-05		SANTA CLARA HU								
		E-05.C		COYOTE CREEK HA								
		06S/02W-28N01 M										
06/24/85	5701		20 C		--	--	--	0.0 T	--	--	--	P
1302	5701		890 7.5		--	--	--	0.22 T	0.0 T	--	0.08 T	F
		06S/02W-29B02 M										
06/24/85	5701		20 C		--	--	--	0.0 T	--	--	--	P
1103	5701		955 7.5		--	--	--	0.0 T	0.0 T	--	0.0 T	F
		06S/02W-34M01 M										
11/19/84	2400		16 C			0.71 D	0.004 D	0.0 D	0.0 D	--	0.00 D	
0925	2400		800		0.0 D	0.00 D	--	0.03 D	0.0 D	0.0 D	0.0 D	
		06S/02W-34N01 M										
07/26/85	5701		18 C		--	--	--	0.0 T	--	--	--	P
1315	5701		980 7.4		--	--	--	0.09 T	0.0 T	--	0.0 T	F
		06S/02W-34N03 M										
07/26/85	5701		20 C		--	--	--	0.0 T	--	--	--	P
1106	5701		810 7.4		--	--	--	0.0 T	0.0 T	--	0.0 T	F
		07S/01W-06P01 M										
06/25/85	5701		18 C		--	--	--	0.0 T	--	--	--	P
1245	5701		765 7.4		--	--	--	0.0 T	0.0 T	--	0.0	F
		07S/01W-08K01 M										
06/24/85	5701		20 C		--	--	--	0.0 T	--	--	--	P
1322	5701		595 7.3		--	--	--	0.0 T	0.0 T	--	0.0 T	F
		07S/01W-13E02 M										
08/21/85	5701		18 C		--	--	--	0.0 T	--	--	--	P
1015	5701		465 7.2		--	--	--	0.0 T	0.0 T	--	0.0 T	F
		07S/01W-13E04 M										
07/09/85	5701		17 C		--	--	--	0.0 T	--	--	--	P
0001	5701		465 7.7		--	--	--	0.0 T	0.0 T	--	0.0 T	F
		07S/01W-13J02 M										
08/21/85	5701		17 C		--	--	--	0.0 T	--	--	--	P
1000	5701		545 7.6		--	--	--	0.0 T	0.0 T	--	0.0 T	F
		07S/01W-13J03 M										
07/11/85	5701		17 C		--	--	--	0.0 T	--	--	--	P
1015	5701		525 7.8		--	--	--	0.0 T	0.0 T	--	0.0 T	F
		07S/01W-13K03 M										
07/11/85	5701		17 C		--	--	--	0.0 T	--	--	--	P
1015	5701		535 7.8		--	--	--	0.0 T	0.0 T	--	0.0 T	F
		07S/01W-22E08 M										
10/18/84	5701		17 C		--	--	--	0.0 T	--	--	--	P
1345	5701		473 7.5		--	--	--	0.0 T	0.0 T	--	0.0 T	F
		07S/01W-22E12 M										
07/10/85	5701		20 C		--	--	--	0.0 T	--	--	--	P
0630	5701		490 7.7		--	--	--	0.0 T	0.0 T	--	0.0 T	E
		07S/01W-22E13 M										
07/10/85	5701		20 C		--	--	--	0.05 T	--	--	--	P
0630	5701		535 7.5		--	--	--	0.0 T	0.0 T	--	0.0 T	F
		07S/01W-23R01 M										
07/01/85	5701		17 C		--	--	--	0.0 T	--	--	--	P
0815	5701		500 7.7		--	--	--	0.0 T	0.0 T	--	0.0 T	E
		07S/01W-23R02 M										
08/28/85	5701				--	--	--	0.0 T	--	--	--	P
0800	5701		500 7.8		--	--	--	0.0 T	0.0 T	--	0.0 T	E
		07S/01W-23R03 M										
07/01/85	5701		17 C		--	--	--	0.0 T	--	--	--	P
0815	5701		465 7.6		--	--	--	0.0 T	0.0 T	--	0.0 T	F
		07S/01W-23R04 M										
08/28/85	5701				--	--	--	0.0 T	--	--	--	P
1715	5701		475 7.8		--	--	--	0.07 T	0.0 T	--	0.0 T	E
		07S/01W-23R07 M										
10/21/84	5701		19 C		--	--	--	0.0 T	--	--	--	P
1630	5701		475 7.7		--	--	--	0.0 T	0.0 T	--	0.0 T	F
		07S/01W-24J02 M										
08/19/85	5701		21 C		--	--	--	0.0 T	--	--	--	P
0900	5701		590 7.7		--	--	--	0.0 T	0.0 T	--	0.0 T	F

TABLE E-2 (CONTINUED)

MINOR ELEMENT ANALYSES OF GROUND WATER

DATE TIME	SAMP LAB	DEPTH	DISCH EC	TEMP PH	ARSENIC	CONSTITUENTS IN MILLIGRAMS PER LITER BARIUM CADMIUM	CHROM (ALL) CHROM (HEX)	COPPER IRON		LEAD MANGANESE		MERCURY SELENIUM	SILVER ZINC		REM
		E		SAN FRANCISCO BAY HA											
		E-05		SANTA CLARA HU											
		E-05.C		COYOTE CREEK HA											
		07S/01W-24J03 M													
08/26/85	5701		19 C			--	--	0.0	T	--		--	--		P
0845	5701	625	7.6	--		--	--	0.0	T	0.0	T	--	0.0	T	E
		07S/01W-26R02 M													
08/21/85	5701		17 C			--	--	0.0	T	--		--	--		P
0830	5701	485	7.6	--		--	--	0.0	T	0.0	T	--	0.0	T	E
		07S/01W-26R03 M													
08/26/85	5701		17 C			--	--	0.0	T	--		--	--		P
0830	5701	490	7.7	--		--	--	0.0	T	0.0	T	--	0.0	T	E
		07S/02W-03A02 M													
06/25/85	5701		19 C			--	--	0.0	T	--		--	--		P
1245	5701	620	7.4	--		--	--	0.0	T	0.0	T	--	0.0	T	E

TABLE E-2 (CONTINUED)

MINOR ELEMENT ANALYSES OF GROUND WATER

DATE TIME	SAMP LAB	DEPTH	DISCH EC	TEMP PH	ARSENIC	CONSTITUENTS IN MILLIGRAMS PER LITER BARIUM CADMIUM	CHROM (ALL) CHROM (HEX)	COPPER IRON	LEAD MANGANESE	MERCURY SELENIUM	SILVER ZINC	PPM
		T	CENTRAL COAST HR									
		T-05	PAJARO RIVER HU									
		T-05.C	SOUTH SANTA CLARA VALLEY HA									
		09S/03E-16J02 M										
04/17/85	2400		17 C		0.22 D	0.00 D	0.0 D	0.0 D	--	0.00 D	
1010	2400	690	6.6	0.0 D	0.002 D	--	0.14 D	0.0 D	0.0 D	0.0 D	
		09S/03E-27G04 M										
04/24/85	2400		19 C		0.19 D	0.00 D	0.19 D	0.0 D	--	0.00 D	
1030	2400	490	6.9	0.0 D	0.00 D	--	0.13 D	--	0.0 D	0. D	
		10S/03E-01E02 M										
04/18/85	2400		17 C		0.17 D	0.00 D	0.0 D	0.0 D	--	0.00 D	
0930	2400	540	6.4	0.0 D	0.00 D	--	1.20 D	0.0 D	0.0 D	0. D	
		10S/03E-24N05 M										
04/18/85	2400		18.5C		0.15 D	0.00 D	0.0 D	0.0 D	--	0.00 D	
1045	2400	900	6.3	0.0 D	0.00 D	--	0.07 D	0.0 D	0.0 D	0. D	
		10S/04E-18J02 M										
04/24/85	2400		18 C		0.25 D	0.00 D	0.0 D	0.0 D	--	0.00 D	
0915	2400	550	6.3	0.0 D	0.00 D	--	0.38 D	0.0 D	0.0 D	0. D	
		10S/04E-29F01 M										
04/29/85	2400		18 C		0.43 D	0.00 D	0.0 D	0.0 D	--	0.00 D	
1230	2400	430	6.5	0.0 D	0.00 D	--	0.05 D	0.0 D	0.0 D	0. D	
		10S/04E-31A01 M										
04/22/85	2400		18 C		0.20 D	0.00 D	0.01 D	0.0 D	--	0.00 D	
1020	2400	630	6.6	0.0 D	0.00 D	--	0.19 D	0.0 D	0.0 D	0. D	
		10S/04E-32H01 M										
05/01/85	2400		19 C		0.34 D	0.00 D	0.01 D	0.0 D	--	0.00 D	
0945	2400	460	6.9	0.0 D	0.00 D	--	0.03 D	0.0 D	0.0 D	0. D	
		10S/04E-34L05 M										
04/22/85	2400		18 C		0.25 D	0.00 D	0.0 D	0.0 D	--	0.00 D	
0920	2400	860	6.3	0.0 D	0.00 D	--	0.72 D	0.0 D	0.0 D	0. D	
		11S/03E-02E01 M										
04/23/85	2400		18 C		0.13 D	0.00 D	0.0 D	0.0 D	--	0.00 D	
0910	2400	400	6.3	0.0 D	0.00 D	0.06 D	--	0.0 D	0.0 D	0. D	
		11S/04E-04P03 M										
04/25/85	2400		18 C		0.22 D	0.00 D	0.0 D	0.0 D	--	0.00 D	
0915	2400	530	7.2	0.0 D	0.00 D	--	0.05 D	0.0 D	0.0 D	0. D	
		11S/04E-06R01 M										
04/25/85	2400		19 C		0.22 D	0.00 D	0.01 D	0.0 D	--	0.00 D	
1025	2400	480	6.8	0.0 D	0.00 D	--	0.03 D	0.0 D	0.0 D	0. D	
		11S/04E-08K01 M										
05/06/85	2400		18 C		0.34 D	0.00 D	0.01 D	0.03 D	--	0.00 D	
1025	2400	690	6.3	0.0 D	0.00 D	--	0.02 D	0.0 D	0.0 D	0. D	
		11S/04E-10D04 M										
04/30/85	2400		17 C		0.13 D	0.00 D	0.0 D	0.0 D	--	0.00 D	
0940	2400	1020	6.9	0.0 D	0.00 D	--	0.06 D	0.0 D	0.0 D	0. D	
		11S/04E-10D05 M										
04/23/85	2400		18 C		0.13 D	0.00 D	0.01 D	0.0 D	--	0.00 D	
1045	2400	800	6.4	0.0 D	0.00 D	--	0.03 D	0.0 D	0.02 D	0.1 D	
		11S/04E-15P01 M										
05/02/85	2400		20 C		0.44 D	0.00 D	0.0 D	0.0 D	--	0.00 D	
1010	2400	600	7.1	0.0 D	0.00 D	--	0.15 D	0.0 D	0.0 D	0. D	
		11S/04E-17L05 M										
04/29/85	2400		18 C		0.19 D	0.00 D	0.11 D	0.03 D	--	0.00 D	
1040	2400	470	6.8	0.0 D	0.00 D	--	0.36 D	0.0 D	0.0 D	0. D	
		T-09	SALINAS HU									
		T-09.A	LOWER SALINAS VALLEY HA									
		14S/03E-20C01 M										
07/24/85	5701		21 C		--	--	0.005 T	--	--	--	
1415	5701			--	--	--	0.005 T	0.005 T	--	0.25 T	
		14S/03E-20M02 M										
07/25/85	5701				--	--	0.005 T	--	--	--	
1502	5701			--	--	--	0.005 T	0.005 T	--	0.009 T	
		14S/03E-29C01 M										
07/23/85	5701				--	--	.005 T	--	--	--	
1400	5701			--	--	--	.005 T	.005 T	--	.005 T	

TABLE E-2 (CONTINUED)

MINOR ELEMENT ANALYSES OF GROUND WATER

CONSTITUENTS IN MILLIGRAMS PER LITER

DATE TIME	SAMP LAB	DEPTH	DISCH EC	TEMP PH	ARSENIC	BARIUM CADMIUM	CHROM (ALL) CHROM (HEX)	COPPER IRON	LEAD MANGANESE	MERCURY SELENIUM	SILVER ZINC	REM
	T			CENTRAL COAST HB								
	T-09			SALINAS HU								
	T-09.A			LOWER SALINAS VALLEY HA								
	14S/03E-31L01 M											
07/24/85	5701		21 C			--	--	0.005 T	--	--	--	
1429	5701				--	--	--	0.005 T	0.005 T	--	0.005 T	
	14S/03E-33G01 M											
06/20/85	5701		21 C			--	--	0.005 T	--	--	--	
1320	5701				--	--	--	0.12 T	0.005 T	--	0.005 T	
	14S/03E-33Q01 M											
06/20/85	5701		20 C			--	--	0.005 T	--	--	--	
1600	5701				--	--	--	0.005 T	0.005 T	--	0.04 T	
	15S/02E-25C01 M											
07/23/85	5701					--	--	.005 T	--	--	--	
1446	5701				--	--	--	.12 T	.005 T	--	.005 T	
	15S/03E-02G01 M											
05/15/85	5701		21 C			.06 T	--	.005 T	.0005 T	--	--	
	5701				.0005 T	.0001 T	--	.005 T	.005 T	.001 T	.005 T	
	15S/03E-03N02 M											
10/10/84	5701		20 C			--	--	.002 T	--	--	--	
1525	5701				--	--	--	.002 T	.001 T	--	.06 T	
	15S/03E-04Q01 M											
07/25/85	5701					--	--	0.005 T	--	--	--	
1522	5701				--	--	--	0.005 T	0.005 T	--	0.005 T	
	15S/03E-05C02 M											
06/20/85	5701		21 C			--	--	0.005 T	--	--	--	
1320	5701				--	--	--	0.005 T	0.005 T	--	0.005 T	
	T-09.D			UPPER SALINAS VALLEY HA								
	20S/08E-08C02 M											
06/26/85	5701					--	--	0.005 T	--	--	--	
1000	5701				--	--	--	0.005 T	0.005 T	--	0.005 T	
	20S/08E-08Q02 M											
06/26/85	5701					--	--	0.005 T	--	--	--	
0930	5701				--	--	--	0.005 T	0.005 T	--	0.005 T	
	T-09.E			MONTEREY PENINSULA HA								
	15S/02E-25C01 M											
07/23/85	5701					--	--	.005 T	--	--	--	
1446	5701				--	--	--	.12 T	.005 T	--	.005 T	

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TABLE E-3
SUPPLEMENTAL MINOR ELEMENT ANALYSES OF GROUND WATER

Lab and Sampler Agency Code

2400 – Santa Clara Valley Water District

Abbreviations

TIME	–	Pacific Standard Time on a 24-hour clock
EC	–	Electrical conductance in microsiemens at 25° C
TEMP	–	Water temperature at time of sampling in degrees Fahrenheit (F) or Celsius (C)
pH	–	Measure of acidity (<7) or alkalinity (>7) of water
D	–	Dissolved
T	–	Total

TABLE E-3

SUPPLEMENTAL MINOR ELEMENT ANALYSES OF GROUND WATER

CONSTITUENTS IN MILLIGRAMS PER LITER

DATE TIME	SAMP LAB	DEPTH	DISCH EC	TEMP PH	ALUMINUM	ANTIMONY BERYLLIUM	BISMUTH COBALT	GALLIUM GERMANIUM	LITHIUM MOLYBDENUM	NICKEL STRONTIUM	TITANIUM VANADIUM	REM
		E		SAN FRANCISCO BAY HA								
		E-05		SANTA CLARA HU								
		E-05.C		COYOTE CREEK HA								
		06S/01E-27L03 M										
11/26/84	2400			17 C		0.00 D	--	--	--	0.0 D	--	
1330	2400		700		0.07 D	0.00 D	--	--	--	0.75 D	--	
		06S/01E-32M05 M										
11/26/84	2400					0.01 D	--	--	--	0.0 D	--	
1130	2400		1150		0.01 D	0.00 D	--	--	--	1.10 D	--	
		07S/01E-12H02 M										
11/27/84	2400			18.7C		0.00 T	--	--	--	0.00 T	--	
1000	2400		1120	8.2	0.39 T	0.000 T	--	--	--	0.70 T	--	
		07S/02E-07M02 M										
12/04/84	2400			15.2C		0.00 T	--	--	--	0.00 T	--	
1100	2400		825		0.11 T	0.000 T	--	--	--	1.10 T	--	
		07S/02E-20B01 M										
11/27/84	2400			18.1C		0.00 T	--	--	--	0.00 T	--	
0930	2400		960	7.2	0.00 T	0.000 T	--	--	--	0.88 T	--	
		07S/02E-20C04 M										
12/04/84	2400					0.00 T	--	--	--	0.00 T	--	
0930	2400		825		0.04 T	0.000 T	--	--	--	0.84 T	--	
		08S/01E-21C02 M										
12/04/84	2400			17.5C		--	--	--	--	0.00 T	--	
1330	2400		700		0.00 T	0.000 T	--	--	--	0.43 T	--	
		09S/03E-07D04 M										
04/07/85	2400			18 C		0.0 D	--	--	--	0.0 D	--	
0900	2400		610	7.1	0.03 D	0.00 D	--	--	--	0.77 D	--	
		06S/01W-22J02 M										
11/26/84	2400			24.5C		0.0 D	--	--	--	0.0 D	--	
1000	2400		480		0.0 D	0.00 D	--	--	--	0.25 D	--	
		06S/01W-23C03 M										
11/26/84	2400					0.0 D	--	--	--	0.01 D	--	
1300	2400		675		0.0 D	0.00 D	--	--	--	0.65 D	--	
		06S/01W-32D02 M										
11/19/84	2400			19 C		0.0 D	--	--	--	0.0 D	--	
1045	2400		925		0.0 D	0.00 D	--	--	--	0.57 D	--	
		06S/02W-34M01 M										
11/19/84	2400			16 C		0.0 D	--	--	--	0.0 D	--	
0925	2400		800		0.0 D	0.00 D	--	--	--	0.49 D	0.0 D	

TABLE E-3 (CONTINUED)

SUPPLEMENTAL MINOR ELEMENT ANALYSES OF GROUND WATER

DATE TIME	SAMP LAB	DEPTH	DISCH EC	TEMP PH	ALUMINUM	CONSTITUENTS IN MILLIGRAMS PER LITER ANTIMONY BERYLLIUM	BISMUTH CORALT	GALLIUM GERMANIUM	LITHIUM MOLYBDENUM	NICKEL STRONTIUM	TITANIUM VANADIUM	PER
	T		CENTRAL COAST HR									
	T-05		PAJARO RIVER HU									
	T-05.C		SOUTH SANTA CLARA VALLEY HA									
	09S/03E-16J02 M											
04/17/85	2400		17 C		0.0 D	--	--	--	0.0 D	--		
1010	2400	690	6.6	0.0 D	0.00 D	--	--	--	0.69 D	--		
	09S/03E-27G04 M											
04/24/85	2400		19 C		0.0 D	--	--	--	0.0 D	--		
1030	2400	490	6.9	0.05 D	0.00 D	--	--	--	0.57 D	--		
	10S/03E-01E02 M											
04/18/85	2400		17 C		0.0 D	--	--	--	0.0 D	--		
0930	2400	540	6.4	0.0 D	0.00 D	--	--	--	--	--		
	10S/03E-24N05 M											
04/18/85	2400		18.5C		0.0 D	--	--	--	0.0 D	--		
1045	2400	900	6.3	0.0 D	0.00 D	--	--	--	0.27 D	--		
	10S/04E-18J02 M											
04/24/85	2400		18 C		0.0 D	--	--	--	0.0 D	--		
0915	2400	550	6.3	0.01 D	0.00 D	--	--	--	0.57 D	--		
	10S/04E-29F01 M											
04/29/85	2400		18 C		0.0 D	--	--	--	0.0 D	--		
1230	2400	430	6.5	0.0 D	0.00 D	--	--	--	0.41 D	--		
	10S/04E-31A01 M											
04/22/85	2400		18 C		0.0 D	--	--	--	0.0 D	--		
1020	2400	630	6.6	0.01 D	0.00 D	--	--	--	0.45 D	--		
	10S/04E-32H01 M											
05/01/85	2400		19 C		0.0 D	--	--	--	0.0 D	--		
0945	2400	460	6.9	0.0 D	0.00 D	--	--	--	0.57 D	--		
	10S/04E-34L05 M											
04/22/85	2400		18 C		0.0 D	--	--	--	0.0 D	--		
0920	2400	860	6.3	0.0 D	0.00 D	--	--	--	0.55 D	--		
	11S/03E-02E01 M											
04/23/85	2400		18 C		0.0 D	--	--	--	0.0 D	--		
0910	2400	400	6.3	0.0 D	0.00 D	--	--	--	0.29 D	--		
	11S/04E-04P03 M											
04/25/85	2400		18 C		0.0 D	--	--	--	0.0 D	--		
0915	2400	530	7.2	0.01 D	0.00 D	--	--	--	0.65 D	--		
	11S/04E-06R01 M											
04/25/85	2400		19 C		0.0 D	--	--	--	0.0 D	--		
1025	2400	480	6.8	0.0 D	--	--	--	--	0.51 D	--		
	11S/04E-08K01 M											
05/06/85	2400		18 C		0.0 D	--	--	--	0.0 D	--		
1025	2400	690	6.3	0.0 D	0.00 D	--	--	--	0.49 D	--		
	11S/04E-10D04 M											
04/30/85	2400		17 C		0.01 D	--	--	--	0.0 D	--		
0940	2400	1020	6.9	0.03 D	0.00 D	--	--	--	0.73 D	--		
	11S/04E-10D05 M											
04/23/85	2400		18 C		0.0 D	--	--	--	0.0 D	--		
1045	2400	800	6.4	0.0 D	0.00 D	--	--	--	0.88 D	--		
	11S/04E-15P01 M											
05/02/85	2400		20 C		0.0 D	--	--	--	0.0 D	--		
1010	2400	600	7.1	0.0 D	0.00 D	--	--	--	0.68 D	--		
	11S/04E-17L05 M											
04/29/85	2400		18 C		0.0 D	--	--	--	0.0 D	--		
1040	2400	470	6.8	0.08 D	0.00 D	--	--	--	0.34 D	--		

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TABLE E-4
NUTRIENT ANALYSES OF GROUND WATER

Lab and Sampler Agency Code

2400 – Santa Clara Valley Water District

Abbreviations

TIME – Pacific Standard Time on a 24-hour clock
GH – Instantaneous gage height, in feet, above an established datum
Q – Instantaneous discharge in cubic feet per second
TEMP – Water temperature at time of sampling in degrees Fahrenheit (F) or Celsius (C)
Depth – Depth, in feet, when measurement was taken
F EC – Field determination of electrical conductance in microsiemens at 25°C
F PH – Field determination of acidity or alkalinity
TURB – Jackson turbidity units measured with a Hach nephelometer, (A); if in the field, (F)
F-C02 – Field determination of carbon dioxide in milligrams per liter
P ALK – Field determination of alkalinity (Phenol)
T ALK – Field determination of alkalinity (Total)

(Nitrogen Series as N)

D N02+N03 – Dissolved nitrite and nitrate
D N02 – Dissolved nitrite
D NO3 – Dissolved nitrate
D ORG N – Dissolved organic nitrogen
T ORG N – Total organic nitrogen
D NH 3 – Dissolved ammonia
T NH 3 – Total ammonia
T (NH3+ORG N) – Total ammonia plus organic nitrogen

(Phosphorus Series as P)

DIS.A.H.P04 – Dissolved acid hydrolyzable phosphate
D O-P04 – Dissolved orthophosphate
T O-P04 – Total orthophosphate
D TOT P – Dissolved total phosphorus
T TOT P – Total phosphorus

TABLE E-4

NUTRIENT ANALYSES OF GROUND WATER

DATE TIME	SAMP LAB	G.W. Q	TEMP DEPTH	FIELD F EC F PH	TURB F CO2	P ALK T ALK	D NO2 + NO3	CONSTITUENTS IN MILLIGRAMS PER LITER. D NO2 D NO3	D ORG N T ORG N	D NH3 T NH3	T NH3 + ORG N	DIS A.H.PO4	D O-PO4 T O-PO4	D TOT P T TOT P	REM
		E		SAN FRANCISCO BAY HR											
		E-05		SANTA CLARA HU											
		E-05.C		COYOTE CREEK HA											
		06S/01E-27L03 M													
11/26/84	2400		17 C	700	13A		--	0.006	--	--		--	--	0.02	
1330	2400							3.6	--	--	--		--	--	
		06S/01E-32M05 M													
11/26/84	2400			1150	8A		--	0.001	--	--		--	--	0.12	
1130	2400							0.02	--	--	--		--	--	
		07S/01E-12M02 M													
11/27/84	2400		18.7C	1120	51AL		--	0.000	--	--		--	--	--	
1000	2400			8.2				0.37	--	--	--		--	0.12	
		07S/02E-07M02 M													
12/04/84	2400		15.2C	825	30AL		--	0.000	--	--		--	--	--	
1100	2400							0.85	--	--	--		--	0.13	
		07S/02E-20B01 M													
11/27/84	2400		18.1C	960	1A		--	0.001	--	--		--	--	0.13	
0930	2400			7.2				7.2	--	--	--		--	--	
		07S/02E-20C04 M													
12/04/84	2400		19.5C	825	26A		--	0.00	--	--		--	--	0.05	
0930	2400							1.9	--	--	--		--	--	
		08S/01E-21C02 M													
12/04/84	2400		17.5C	700	1A		--	0.00	--	--		--	--	0.02	
1330	2400							3.6	--	--	--		--	--	
		09S/03E-07Q04 M													
04/17/85	2400		18 C	610	2A		--	0.001	--	--		--	--	0.02	
0900	2400			7.1				6.3	--	--	--		--	--	
		06S/01W-22J02 M													
11/26/84	2400		24.5C	480	0A		--	0.009	--	--		--	--	0.05	
1000	2400							0.04	--	--	--		--	--	
		06S/01W-23C03 M													
11/26/84	2400			675	0A		--	0.00	--	--		--	--	0.06	
1300	2400							1.9	--	--	--		--	--	
		06S/01W-32D02 M													
11/19/84	2400		19 C	925	0A		--	0.00	--	--		--	--	0.06	
1045	2400							7.1	--	--	--		--	--	
		06S/02W-34M01 M													
11/19/84	2400		16 C	800	1A		--	0.00	--	--		--	--	0.05	
0925	2400							11.2	--	--	--		--	--	

TABLE E-4 (CONTINUED)

NUTRIENT ANALYSES OF GROUND WATER

DATE TIME	SAMP LAB	G.H. Q	TEMP DEPTH		FIELD F EC F PH	TURB F CO2	FIELD P ALK T ALK	D NO2 + NO3	CONSTITUENTS IN MILLIGRAMS PER LITER D NO2 D NO3	D ORG N T ORG N	D NH3 T NH3	T NH3 + ORG N	DIS A.H.PO4	D O-PO4 T O-PO4	D TOT P T TOT P	PER
		T			CENTRAL COAST HR											
		T-05			PAJARO RIVER HU											
		T-05.C			SOUTH SANTA CLARA VALLEY HA											
		09S/03E-16J02 M														
04/17/85	2400		17	C	690	0A		--	0.001	--	--		--	--	0.01	
1010	2400				6.6				18.1	--	--	--		--	--	
		09S/03E-27G04 M														
04/24/85	2400		19	C	490	1A		--	0.30	--	--		--	--	0.03	
1030	2400				6.9				5.2	--	--	--		--	--	
		10S/03E-01E02 M														
04/18/85	2400		17	C	540	0A		--	0.00	--	--		--	--	0.01	
0930	2400				6.4				10.3	--	--	--		--	--	
		10S/03E-24N05 M														
04/18/85	2400		18.5C		900	1A		--	0.001	--	--		--	--	0.04	
1045	2400				6.3				36.7	--	--	--		--	--	
		10S/04E-18J02 M														
04/24/85	2400		18	C	550	1A		--	0.30	--	--		--	--	0.03	
0915	2400				6.3				7.8	--	--	--		--	--	
		10S/04E-29F01 M														
04/29/85	2400		18	C	430	0A		--	0.00	--	--		--	--	0.01	
1230	2400				6.5				7.3	--	--	--		--	--	
		10S/04E-31A01 M														
04/22/85	2400		18	C	630	1A		--	0.00	--	--		--	--	0.02	
1020	2400				6.6				11.2	--	--	--		--	--	
		10S/04E-32H01 M														
05/01/85	2400		19	C	460			--	0.30	--	--		--	--	0.86	
0945	2400				6.9				5.4	--	--	--		--	--	
		10S/04E-34L05 M														
04/22/85	2400		18	C	860	1A		--	0.007	--	--		--	--	0.03	
0920	2400				6.3				17.3	--	--	--		--	--	
		11S/03E-02E01 M														
04/23/85	2400		18	C	400	1A		--	0.00	--	--		--	--	0.01	
0910	2400				6.3				1.4	--	--	--		--	--	
		11S/04E-04P03 M														
04/25/85	2400		18	C	530			--	0.00	--	--		--	--	0.03	
0915	2400				7.2				6.2	--	--	--		--	--	
		11S/04E-06B01 M														
04/25/85	2400		19	C	480			--	0.00	--	--		--	--	0.06	
1025	2400				6.8				6.3	--	--	--		--	--	
		11S/04E-08K01 M														
05/06/85	2400		18	C	690	0A		--	0.00	--	--		--	--	0.03	
1025	2400				6.3				0.27	--	--	--		--	--	
		11S/04E-10D04 M														
04/30/85	2400		17	C	1020	0A		--	0.00	--	--		--	--	0.02	
0940	2400				6.9				24.2	--	--	--		--	--	
		11S/04E-10D05 M														
04/23/85	2400		18	C	800	0A		--	0.00	--	--		--	--	0.02	
1045	2400				6.4				18.0	--	--	--		--	--	
		11S/04E-15P01 M														
05/02/85	2400		20	C	600	0A		--	0.00	--	--		--	--	0.06	
1010	2400				7.1				8.1	--	--	--		--	--	
		11S/04E-17L05 M														
04/29/85	2400		18	C	470	1A		--	0.00	--	--		--	--	0.04	
1040	2400				6.8				2.4	--	--	--		--	--	